

Cornell CHRONICLE

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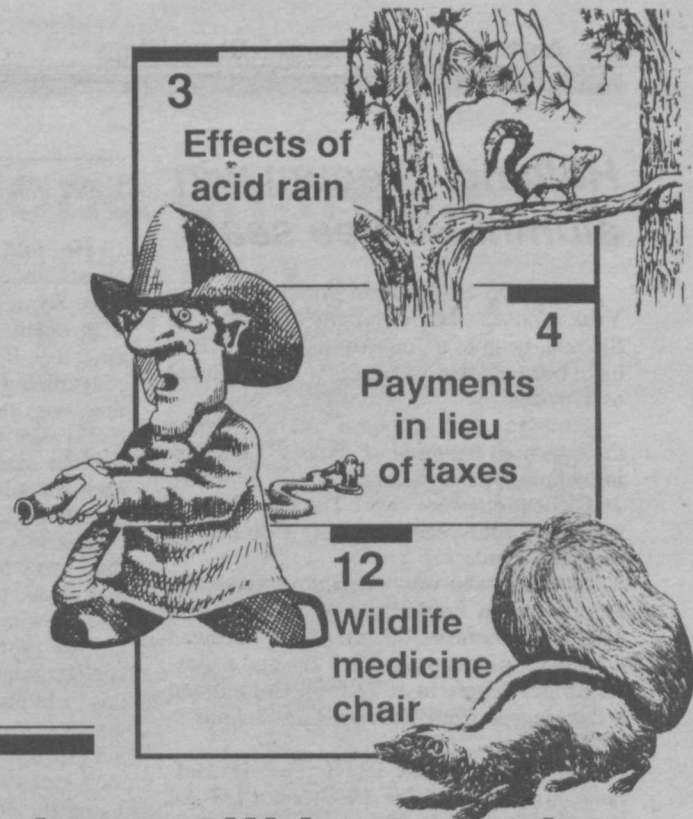
Effects of
acid rain

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Payments
in lieu
of taxes

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Wildlife
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Minority hiring still hot topic at faculty council meetings

The Faculty Council of Representatives acted last week to postpone voting on a proposal by its Minority Education Committee on how to increase the number of minority faculty at Cornell. A vote now is scheduled for the May meeting.

The revised proposal presented last week called on Cornell to hire and retain a net increase of at least 70 minority faculty over a five-year period, so that by the fall of 1994 the percentage of minority faculty here will be the same as the national availability pool.

The FCR voted to postpone action until May because of several legal implications raised in a memorandum by University Counsel Walter J. Relihan, who called the proposal — which has been revised since it was presented to the FCR in February — “seriously flawed.”

Relihan, emphasizing that he was speaking in his capacity as both counsel to the university and the faculty’s attorney, said that the new proposal uses phraseology that commits the university to future faculty recruitment and promotion policies, involving preferences based on race and gender, “which find no warrant in the law of the land.” He said he made those same points in a memo to Dean of the Faculty Joseph B. Bugliari. The changes proposed by the committee “would invite claims of reverse discrimination against both individual faculty and the university,” Relihan said.

“In my view, a few changes, modest in scope, would suffice to reaffirm and strengthen the university’s policy on equal opportunity and affirmative action,” Relihan noted in the memo. “In the absence of such change, the draft is seriously flawed and will become the source of many unnecessary and self-imposed woes.”

Relihan’s memo was dated April 13, the date of the FCR meeting, leading nutritional sciences Professor Michael C. Latham to describe the timing as a “gross discourtesy to the FCR,” whose members were called to last week’s meeting to act on the minority-

hiring proposal. Relihan responded that his first opportunity to review the revised proposal had been the morning of the FCR meeting. He added, however, that a member of the Counsel’s Office had conveyed these general concerns to the committee several weeks earlier.

According to Relihan, the proposal presented last week included the following weaknesses that could invite legal challenges against the faculty and the university:

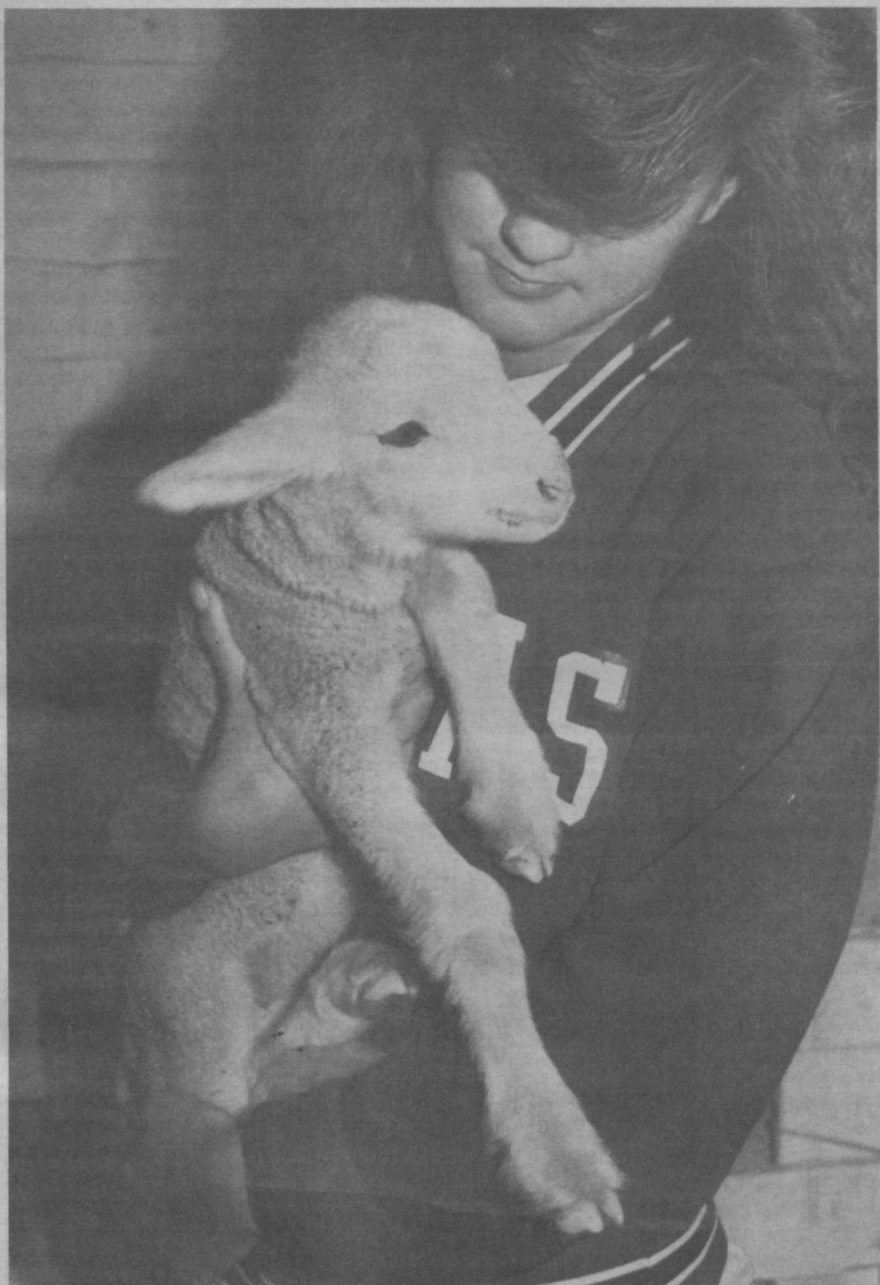
- Its definition of “minority” differs from the federal government’s.

- Its goal of hiring 70 minority faculty over the next five years, while intended as a goal, could be interpreted as a quota. Affirmative action quotas are permissible only to correct a history of intentional discrimination, and such discrimination has not occurred at Cornell, Relihan said. He questioned whether a goal of hiring 70 minority faculty was realistic or achievable within the legal constraints applicable to affirmative action plans.

- It suggested that it might not be sufficient to measure Cornell’s minority-hiring progress “on the basis of availability pools” of minority scholars. If Cornell’s hiring practices are not compared to minority-scholar availability, the university could be accused of illegally excluding large groups of people from employment here, Relihan advised.

He suggested several changes, which will be reviewed by the Minority Education Committee, that are designed to “conform the proposal to the limits established by the most recent decision of the Supreme Court and to protect the faculty and the university from claims of reverse discrimination.” Among them is that the proposal be worded to support having new faculty appointments each year approximate the percentage of minority scholars available on a discipline-by-discipline basis, so that each year the composition of the entire Cornell faculty

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Claude Levett

Kristin Marschman, '90, holds a 1-week-old Dorsett lamb in the Livestock Pavillion at the Veterinary College Open House last weekend.

Law School, at 100, affirms commitment

The idea that the Cornell Law School is a small school devoted to legal education in which legality shall not crush humanity dominated the two days of events on campus April 15 and 16 celebrating the school’s first 100 years and discussing visions for its second century.

Aspects of this idea were evoked repeatedly by such speakers and alumni as former U.S. Ambassador Sol M. Linowitz, Class of 1938; World Bank Director Barber B. Conable Jr., '48; Rudolph B. Schlesinger, the William Nelson Cromwell Professor Emeritus of International and Comparative Law; and President Frank H.T. Rhodes.

The idea combines Andrew D. White’s vision of creating a law school “to secure the rudiments, at least, of a legal training in which legality shall not crush Humanity” and the decree of the school’s first dean, Justice Douglas Boardman, that “the school is not here to make more lawyers, but better ones.”

As keynote speaker at a banquet in Barton Hall, Linowitz — former ambassador to the Organization of American States, co-negotiator for the Panama Canal Treaty and ambassador-at-large for Middle East negotiations — underscored the need for a broad education of lawyers. He spoke of his concern about law’s descent from a profession to a business dominated by “bottom-line perspectives.”

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Claude Levett

A Law School alumni group inspects the new addition to the school during last weekend’s centennial celebration. From left are: Shari Boehnen, Virginia Adams, Ruth Hancock, Dr. Jorg Kaser, Roberta Rinder and law school student and guide Neil Garfinkle.

Holland, Slocum win alumni trustee seats

Joseph H. Holland, an attorney in New York City's Harlem, and George S. Slocum, head of a Texas-based energy firm, have been elected to the university's Board of Trustees.

Holland and Slocum were elected through mail balloting of some 132,000 living alumni in this country and overseas; 26,090 ballots were cast. The new trustees will begin four-year terms July 1 on the 42-member board.

Holland, who was a two-time Academic All American football player as well as a 1978 All American football player, received a bachelor of arts degree in 1978 and a master of arts degree in 1979 from Cornell and a law degree from Harvard Law School in 1982.

His father was the late Jerome H. Holland, a member of the 1937 and 1938 All America football teams, and a 1939 graduate of Cornell who went on to become president of two colleges, U.S. ambassador to Sweden and the first black director of the New York Stock Exchange.

Slocum, a third-generation Cornellian, received a bachelor of arts degree in 1962 and a master's degree in business administration in 1967 from Cornell.

Slocum is president and chief executive officer of Transco Energy Co. of Houston. The firm specializes in oil, coal and gas exploration and production.

Barton Blotter: Greek tied to statue

Public Safety officers found a student tied to the Ezra Cornell statue in the Arts Quad about 2 a.m. on April 17, according to the morning reports of the Department of Public Safety for April 11 through 17.

The student, who was a member of a fraternity and not a pledge, refused medical attention and declined to say how long he had been bound to the statue in the 40-degree temperatures of that night.

Public Safety referred the officers of the fraternity to the judicial administrator on charges of hazing.

A computer valued at \$1,900 was reported stolen from Sage Hall April 12 or 13. The theft was among eight reported on campus with losses totaling \$3,090 in cash and valuables.

Other thefts included \$560 in food taken from a vending machine in Cascadilla Hall, a \$150 top removed from a baby grand piano in University Hall No. 6, a \$250 leather jacket stolen from Robert Purcell Union and \$100 in signs taken from Cascadilla Place.

Computerized copies of the most current daily report may be called up on CUINFO under the title SAFETY. CUINFO terminals are situated in the main lobbies of Day Hall, Gannett Clinic, and the Olin, Mann and ILR libraries.

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He told the more than 400 alumni, guests and students present that attorneys have become increasingly distant from human clients, leading to the public impression that law is a "money-making, profit-maximizing undertaking." He suggested that, with the help of the Law School, "acquaintance with our system of law and justice" be made part of the core curriculum in high schools. Students must learn the relevance of the Constitution and the Bill of Rights to everyday concerns, he said, and thus learn to care about the system of law and justice that protects our rights.

Linowitz called upon law schools and the law profession to fulfill "the vision of a society where all stand equal before the law." In practical terms, society needs procedures to create equal access to the law for all, "to serve those whose need is great by their measurement if not by ours," he said.

President Frank H.T. Rhodes praised Peter Martin, who is stepping down as dean at the end of this term, for adding new faculty members who share his enthusiasm and commitment to the teaching of law.

Rhodes also cited Martin's success in creating a capital campaign that has raised more than \$11 million of its \$20 million goal to pay for the current construction of 75,000 square feet of additional library, faculty and classroom space, and renovation of another 124,000 square feet of existing classroom and office space.

The construction program, which will not result in expanding the school's enrollment, is devoted to insuring rigorous training in fundamental lawyering skills with an examination of "the humane and intellectual dimensions of legal education," Rhodes said.

He also paid tribute to the incoming dean, Law School Professor Russell Osgood, whom he described as "a dedicated citizen of the university and the Law School."

Rhodes said that, despite his heavy teaching responsibilities, Osgood has found time to undertake major service activities in the university, the Law School and the community at large.

During a panel discussion on the goals of the Law School, Conable said that, while the United States could be relevant in the world through the dominance that's possible with military and economic strength, "The skills of the negotiator are going to be necessary if the U.S. is going to be relevant."

"Clearly our effectiveness as a country is going to depend on the understanding that goes with comparative study and the skill that goes with the capacity to negotiate from a position not of strength but of understanding," Conable asserted.

He also said that comparative law is one subject that must be made available, and must be skillfully addressed by American lawyers of the future. Cornell has been doing that to a much greater degree than many other law schools, he added.

"In places like this, those elements of human understanding that make the whole human being can come to full fruition, and

not in the great legal factories of the East Coast where skill is emphasized and where reputation is sought rather than understanding," Conable asserted.

Schlesinger, the person largely responsible for the Cornell Law School's reputation in comparative law, had addressed the group in the MacDonald Moot Court Room only minutes before Conable opened the panel discussion.

In a talk that received an extended standing ovation from the more than 200 alumni and guests present, Schlesinger placed "the birth of the Cornell Law School into the broader context of the history of education."

His comprehensive approach began with the development of the European universities and the innovations of the German universities in the 19th century. He traced the seminal and often highly competitive role played by Cornell's founding president and Harvard's President Charles W. Eliot back to the German influence on American education.

While the case method was introduced at Harvard before the Cornell Law School opened, Schlesinger said, "the Cornell Law School was the actual pioneer" in introducing moot court arguments and problem courses.

In one of his suggestions for future concern at the Law School, Schlesinger touched a point of tension raised later during the panel discussion.

He said, "While nobody will deny that the Goddess of Law stands with one foot in philosophy and with the other foot in the social sciences, please remember also that the main part of her beautiful body stands tall and visible as a discipline, a craft and an art of its own."

Panelist Roger C. Cramton, dean of the Law School from 1973 to 1980, decried a diminution — and, in some cases, an abandonment — of the Socratic approach in which the professor relentlessly pressures students with question after question during a class and "never, never ever gives an answer."

He said that, while the intellectual insights of other disciplines are necessary, their special vocabulary and sometimes arcane interests have reached a point where he feels they are undermining emphasis on the pragmatic skills needed for the practice of law.

Panelist Tyrone Brown, '67, a former member of the Federal Communications Commission and now a partner in a Washington, D.C. law firm, said today's law school graduate no longer has the privilege of on-the-job training, that he must be immediately productive.

He said today's law training should be based increasingly on actual legal experience, much as in a medical education.

The panelist, who is black, also said the Law School must make a concerted effort to attract and train more minorities if it is going to truly serve society. He said the U.S. population will be 40 percent minorities — largely black — by the year 2,000.

—Martin B. Stiles

Briefs

■ **Public affairs:** A brown-bag lunch organizational meeting for faculty interested in becoming members of the newly established graduate field of public affairs is scheduled today from 12:20 to 1:10 p.m. in Room 122 of Rockefeller Hall. According to Benjamin Ginsberg, professor of government and director of the Cornell Institute for Public Affairs, which was established last fall, admission of the first students in the graduate field is slated for the 1989 fall term.

■ **Maas movie:** The film "Bravo Gloria," produced by James B. Maas of the Psychology Film Unit, will be shown locally on May 2 and May 5 by Public Broadcasting Service stations. Syracuse television station WCNY plans to air the film at 10:30 p.m. on May 2; Binghamton station WSKG, at 8 p.m. on May 5, with a local follow-up program at 8:30 p.m. "Bravo Gloria" focuses on Gloria Lenhoff, now 33, of Costa Mesa, Calif. Most of her mental capabilities are similar to those of a 12 year old, but she sings in five languages, plays the accordion and works as a teacher's aide at a nursery school.

■ **Party for Drinkwater:** A community-wide farewell party for David Drinkwater, dean of students since 1980, is scheduled from 3:30 to 6 p.m. on May 4 in the Memorial Room of Willard Straight Hall. Persons wishing to contribute to or help in planning the event should contact Connie Gordon at 255-2310 by April 25. Drinkwater is leaving Cornell at the end of the term to become headmaster of a private school on Long Island.

■ **Community service:** More than 50 students, faculty and administrators from schools in the northeast region of Campus Compact: The Project for Public and Community Service will meet here April 28 and 29 in a series of meetings and workshops with special emphasis on literary projects. Joyce Black, the director of Governor Cuomo's Office for Volunteer Service, will give the keynote address. In 1985, college and university presidents across the nation, including President Frank H.T. Rhodes, established Campus Compact to encourage student participation in community service.

■ **Bloodmobile:** The Red Cross Bloodmobile will be at Willard Straight Hall on April 25 and 26 from 10 a.m. to 3:45 p.m. For appointments to be scheduled from 10 a.m. to 1 p.m., call 273-1900. Walk-ins are welcome from 1 to 3:45 p.m. each day.

■ **Peace in Nicaragua:** David P. Wippman, an attorney in the Washington, D.C., law firm representing the Sandinista regime's case against the United States, Honduras and Costa Rica before the International Court of Justice at The Hague, will lecture here on April 25. He will address the topic, "Peace Process in Nicaragua" from 3 to 4 p.m. in the Hughes Hall dining room of the Cornell Law School.

■ **Breakfast with Rhodes:** Students may sign up for breakfast with President Frank H.T. Rhodes by calling his office at 255-5201.

■ **Meals with Morley:** Employees may schedule a breakfast or lunch with Senior Vice President James E. Morley by calling the Office of Human Resources at 255-3621.

■ **Microcomputers & Office Systems inventory:** The Microcomputers and Office Systems sales office/demo rooms will be closed for inventory April 26-28 and will re-open April 29.

Graduate Bulletin

Degree Requirements: To receive a May degree, the deadline for submitting the dissertation/thesis to the Graduate School is May 20. Professional Master's candidates should check with their field regarding the deadline for a May degree as that deadline may be earlier than the Graduate School's. Commencement is May 29.

Cornell Chronicle

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It is the policy of Cornell University to support actively equality of educational and employment opportunity. No person shall be denied admission to any educational program or activity or be denied employment on the basis of any legally prohibited discrimination involving, but not limited to, such factors as race, color, creed, religion, national or ethnic origin, sex, age, or handicap. The university is committed to the maintenance of affirmative action programs that will assure the continuation of such equality of opportunity.

Obituaries

Alison Mason Kingsbury Bishop

Memorial services for Alison Mason Kingsbury Bishop, widow of long-time Cornell faculty member and author Morris G. Bishop, will be held at 5 p.m. on April 23 at the First Presbyterian Church in downtown Ithaca.

Bishop died April 16 at her home in Ithaca. She was 90 years old.

A landscape and mural painter, Bishop painted under her maiden name, Alison Mason Kingsbury. She illustrated many of her husband's books, including "The History of Cornell," "The Life of Petrarch" and his Storybook series. He died in 1973.

In 1972, The Cornell Library Journal published a 64-page pamphlet, "Morris Bishop and Alison Mason Kingsbury: A Bibliography of Their Works."

Although they did not meet until years later, the Bishops had had their creative efforts as children published together.

The Bishops met in 1927 when she was painting the murals in the lobby of Willard Straight Hall. They married the same year.

Survivors include their daughter, Alison Jolly of Roosevelt Island, and four grandchildren.

Lawrence A. Burckmyer

Lawrence A. Burckmyer Jr., an emeritus professor of electrical engineering who taught at Cornell from 1922 until his retirement in 1962, died April 7 in Bunnell, Fla., where he had resided for the past two years. He was 87.

Regarded as an outstanding teacher by his colleagues, Burckmyer had a reputation as a strict disciplinarian and a man of the utmost integrity whose students increasingly appreciated these qualities in the years after they left Cornell.

Burckmyer was born in North Augusta, S.C. He received a bachelor of science degree at Clemson College in 1922 and was an instructor at Cornell from 1922 to 1929, when he was appointed assistant professor. He was named associate professor in 1941 and full professor in 1943.

His wife, Elizabeth L. Burckmyer, a former associate professor in ornamental horticulture at Cornell, died in 1985.

Survivors include two sons, Lawrence L. of Peabody, Mass., and Peter A. of Somers, N.Y., both Cornell graduates, and four grandchildren.

BTI studying effects of acid rain, ozone on trees

Scientists at the Boyce Thompson Institute for Plant Research will conduct a large-scale biochemical and physiological analysis of trees in eastern forests over the next year to investigate the effects of acid rain and ozone.

They will take more than 1,000 leaf samples from the trees for a dozen tests to detect biochemical changes that reflect the state of the trees' health.

Similar tests have been conducted on samples from trees growing under controlled conditions, but this is the first comprehensive, year-round sampling involving both dying and healthy trees, according to Boyce Thompson scientist Robert G. Amundson, coordinator of the project.

Scientists suspect that acid rain and ozone in the lower atmosphere may be involved in the death of trees, especially red spruces, but they have no hard evidence. They have previously found that ozone reduces photosynthesis in agricultural crops and trees.

For example, almost all pine trees in the mountains around Los Angeles died of exposure to high levels of ozone in the 1960s. Ozone levels there are much higher than other cities due to the number of automobiles.

How acid precipitation affects trees remains a mystery, but one theory holds that it may reduce trees' winter hardiness.

Burning massive amounts of fossil fuels in automobile and truck engines, in power plants and in metal smelters creates the chemical pollutants that form ozone and acidic precipitation. Acid precipitation occurs as rain, snow, sleet, hail, mist and even fog.

Large numbers of forest trees have died over the past few decades or are dying in the eastern United States, eastern Canada, Germany and other European countries. American and European scientists theorize that the death of those trees may be due to air pollution and other environmental factors, including disease, drought, heat, and adverse changes in climatic patterns and soil conditions.

Hardest hit in the eastern United States is red spruce — an important commercial tree used for pulp, paper and lumber. Also endangered is the sugar maple, especially in Vermont, New York and Canada. In a major effort to solve the mystery, the researchers at the Boyce Thompson Institute and Cornell are studying a number of the trees' life processes necessary for growth and de-



Claude Levett

RED SPRUCES IN DECLINE — Ruth G. Alscher, left, a scientist at the Boyce Thompson Institute for Plant Research, and Suzanne Fellow, a research assistant, examine some of the red spruce saplings that have been exposed to different levels of ozone in experiments being conducted at the institute's field research site near campus.

velopment such as nutrition, photosynthesis, physiology and winter hardiness.

The new study, funded by a \$336,000 grant from the U.S. Forest Service, involves collecting at least 50 samples of foliage each month throughout the year of ailing red spruces in the high-elevation areas of the Whiteface Mountain in New York's Adirondacks and the Clingman's Dome Mountain in North Carolina. For comparison, a similar number of samples also will be collected from healthy trees in low-ele-

vation areas near Howland and Millenocket, both in Maine.

Co-investigators on the project are Boyce Thompson scientists Ruth G. Alscher, Robert J. Kohut and John A. Lawrence, and Jean Chabot-Fincher at Cornell.

Measurements will be compared with those being made in several studies under way at Boyce Thompson. In these studies, red spruce and sugar maple seedlings and trees are exposed to different levels of ozone and simulated acid rain under con-

trolled conditions.

Boyce Thompson scientists have been studying the question of whether ozone or acid precipitation or the two together contribute to forest decline. Since 1985, they have been involved in four research projects funded by \$4.4 million in grants from several funding agencies, including the Electric Power Research Institute and the U.S. Forest Service. Amundson's work is an expansion of these studies.

—Yong H. Kim

Swiss hotelier selected to fill Beck Chair, Statler directorship

A Swiss hotelier with 25 years of executive experience with Hilton International will become the managing director of the new Statler Hotel and J. Willard Marriott Executive Education Center.

Hans Weishaupt, 59, now general manager of Hilton International in Brussels and a 1964 graduate of the School of Hotel Administration, was appointed to the new position after a worldwide search involving about 40 candidates. The appointment, effective in August, was announced on April 20 by John J. Clark Jr., dean of the Hotel School.

Weishaupt will hold the newly created Robert A. Beck Chair of Applied Hotel Management, named for the Hotel School's second dean (1961 to 1981) and funded by contributions from alumni, friends and the hotel industry.

He will manage the nine-story hotel and the adjoining education conference center now being constructed in the center of the campus and scheduled for opening early next year. The appointment also entails teaching responsibilities, and Weishaupt will instruct students in hotel management.

This is the first time an endowed chair has been established for the management position.

In announcing the appointment, Clark said, "Hans Weishaupt's arrival at Cornell will mark the beginning of a new era in the esteemed history of the Hotel School and the Statler. His leadership will bring additional admiration and cooperation from the hotel industry as we strive for new levels of operational excellence."

"I'm the happiest man in Brussels," Weishaupt said just after his appointment was announced. "For many years, my dream has been that I could be instrumental in passing on to students the joys of operat-

ing hotels on the international scene."

Weishaupt was food and beverage executive in the Tokyo Hilton when it opened in 1964. He later served as general manager of the Zurich Airport Hilton for four years and the Kahala Hilton in Hawaii for seven years before becoming general manager of Hilton International in Brussels.

He started his hotel career in 1947 as a receptionist in the Grand Hotel du Parc in Switzerland. He worked as a cook in hotels in Lausanne and London before becoming headwaiter in Chicago's LaSalle Hotel in 1952 and later cook/steward in the Tavern Club of Chicago.

In 1958, he joined the Hilton organization, and worked in the Conrad Hilton in Chicago during the summers of 1960 through 1964, when he was attending Cornell's Hotel School. He received several academic honors here, and in 1963 was the managing director of the 39th annual Hotel Ezra Cornell.

Weishaupt is not the only member of his family with a Cornell connection. His wife, Dutch-born Arenda Spiele, received a master's degree from the School of Industrial and Labor Relations. "Arenda left the Cornell campus about four months before I arrived, and it took us 10 years to meet," Weishaupt said.

During that time, Spiele went to work for Hilton International, where she participated in selecting Weishaupt -- whom she had not met -- as executive assistant manager for the Brussels Hilton. Later they finally met in Europe and married.

Their daughter, Stefanie, 18, was accepted as a freshman student in the Hotel School a few months before her father's appointment to run the university's new hotel. Their other child, Peter, 15, will remain in school in Switzerland.



DANN

Hans Weishaupt

Opening a new hotel in an academic environment "will be a beautiful challenge, and for me a sparkling opportunity to start a new career after so many years working in hotels," Weishaupt said.

He has been general manager of Hilton International Brussels since 1982, and he also administers three Hilton hotels in The Netherlands.

Weishaupt speaks English, German, French and Dutch and has served as president of the Hawaii Hotel Association, board member of the Hawaii Visitors Bureau and president of the European Chapter of the Cornell Society of Hotelmen.

In addition to his Cornell hotel degree, Weishaupt received a diploma from the Swiss Hotel School in Lausanne in 1951 and a Swiss Innkeepers License from Wirtfachschule in Zurich in 1970. Switzerland requires a professional license before a hotel manager can work there.

—Albert E. Kaff

Apple Computer, Eastman Kodak join COMEPP affiliates

Eastman Kodak Co. and Apple Computer Corp. have joined the Industrial Affiliates Program of the Cornell Manufacturing Engineering and Productivity Program (COMEPP), Director Herb Voelcker has announced.

"Participation of these two dynamic companies in COMEPP highlights the program's role as a major gateway for corporations into Cornell manufacturing engineering research and education," Voelcker said. "We believe the interactions that result will help these companies better understand the wealth of engineering resources that the university can offer."

Kodak has joined as a patron-level member, with a continuing commitment for five years. According to Voelcker, portions of Kodak's subscription will fund the company's memberships in two of COMEPP's affiliated research projects -- Cornell Injection Molding Program (CIMP) and Cornell Programmable Automation (CPA) -- and to support research and technology-transfer activities in the broad areas of modelling, design and manufacturing.

Apple Computer has joined as a sponsor-level COMEPP affiliate; its subscription will be used to fund one or two graduate fellowships in the general area of programmable automation. Besides CIMP and CPA, COMEPP also includes projects in deformation processes, robotics in computer science, integrated mechanical analysis and manufacturing-operations simulation. A project in manufacturing scheduling is under development.

Other recently announced COMEPP affiliates include Ford Motor Co., Auto-Trol Technologies and Calma Co. General Motors Co., Emerson Electric and Hughes Aircraft are long-term COMEPP supporters.

CISER study shows variety in university payments

It's difficult to make direct comparisons of payments by colleges and universities to local governments because the underlying circumstances vary so widely, according to a new national study by the Cornell Institute for Social and Economic Research (CISER).

The study also revealed that none of the institutions of higher education or local governments covered "appears to systematically and comprehensively collect and organize information" about payments that the institution makes locally for services such as water and police protection or for taxes.

Across the country, discussions of such payments "have been held in what amounts to an information vacuum," according to the study, which was conducted by three researchers here. "This report presents the most comprehensive data base of its type that has been gathered in over two decades."

The study covered Colgate University, Cornell, Dartmouth College, Iowa State University, Michigan State University, Purdue University, State University of New York at Buffalo, Stanford University, University of Chicago, University of Massachusetts, University of Michigan, University of Pittsburgh, University of Rochester, West Virginia University and Yale University.

The 15 institutions were chosen "to capture aspects of the diversity in university-local government fiscal relations stemming from public versus private control of the university and the size of community," the study said.

Two of the researchers have recommended conducting a second study using all 92 institutions that grant doctoral degrees and that had total current funds expenditures of more than \$100 million in 1982 because such a study would be more likely to reveal patterns.

The study "confirmed my expectations that this is an area worth digging into," asserted Professor David J. Allee of the Local Government Program. The agricultural economist conducted the research with Warren Brown, research associate for CISER, and with David Kay, a research support specialist in the Department of Agricultural Economics who also is a member of the Local Government Program.

Allee said he would like a future study to examine the different kinds of tax-exempt property and the kinds of services they need, pointing out during an interview, for example, that "chipmunks in a park use fewer services than students on a campus."

According to the study, interest in fiscal relations between institutions and local governments generally is stimulated by the question of whether a university or college is contributing its "fair share" to local government revenue.

"There's material in there to bolster any case" on whether schools do or do not pay their "fair share," Allee said.

Colleges and universities are among the kinds of institutions granted tax exemptions because they provide many kinds of public benefits. All states exempt colleges and universities from taxes on real property used for educational purposes. Not only do such exemptions shift the overall tax burden to the rest of the taxpaying community, but the institutions put demands on local government services that taxpayers must underwrite.

The institutions often respond to criticism of this situation by pointing out that they do many things for the welfare of the surrounding communities, including paying for certain services such as electricity or fire protection and making other payments in lieu of taxes that go beyond any legal obligations.

A 1969 study by the American Council on Education said that 17 percent of 2,300-plus colleges and universities surveyed paid taxes of some kind to a local municipality, and an additional 17 percent made some kind of equivalent cash contributions or payments in lieu of taxes.

The Cornell researchers noted that their study focusses almost entirely on direct monetary payments by institutions to local governments, and thus does not consider the effect on local businesses of spending by students or university employees, the cultural environment the institutions create, and the institutions' impact on the local job and housing markets.

The report's 16 tables and three appendices go into great detail, outlining total cash transfers from each institution to its local

government, the fiscal context in which the transfers occur, and the institutions' expenditures for all services they provide internally as well as their expenditures for each category of service. Thus:

- Total cash transfers ranged from \$4.11 million by Stanford to \$154,353 by Colgate.
- Property taxes paid ranged from about \$1 million by Dartmouth and Yale to nothing by eight institutions.
- Payments made directly for specific services ranged from \$3.67 million by the University of Michigan to \$102,259 by Colgate.
- The highest amount in the category of other cash payments was \$1.29 million by Stanford, while 11 reported no such payments.

Other tables note the cost of non-governmental services and set the figures into perspective by expressing them in terms of the institutions' scale of operations as measured by enrollment, total current fund expenditures and current replacement value of

buildings:

- Expenditures per student range from \$402 for the University of Chicago to \$33 for Iowa State.
- Service expenditures per \$1,000 of total current fund expenditures range from \$14.96 for West Virginia to \$2.65 for Iowa State.
- Expenditures per \$1,000 of current replacement value of buildings range from \$7.51 for the University of Massachusetts to \$1.53 for Iowa State.

Allee and Kay cautioned that only the tables taking into account each institution's scale of operations present meaningful comparisons.

And even then, caveats abound because, as Kay put it, "There's a lot of local history behind these numbers in each of these communities."

Indeed, footnotes explaining exceptions sometimes seem to overshadow the tables. From them, the reader learns, for example:

- Although Michigan State University is

listed as having paid no property taxes during the most recent year, private businesses pay property taxes for buildings on land leased from the university.

• Colgate makes payments in lieu of taxes on one of the 13 fraternity and sorority facilities.

• Cornell maintains more than 15 miles of streets and roads; the table indicates it spends \$1.05 million on street maintenance services, more than double the amount spent by any of the other institutions surveyed, many of which rely principally on local municipalities for such services.

Other important variables reflected in the tables and their footnotes include the percentage of locally derived revenue generated by property taxes, how dependent each institution's local government is on the federal and state government and other sources for funds, and the existence and scope of state reimbursement and revenue-sharing programs.

—Barry Gross

Cornell: a portrait of community involvement

The new study's 16 tables and their many footnotes help to bring into focus the effect that Cornell has on Tompkins County, including the City of Ithaca and the Town of Ithaca.

"University and Local Government Fiscal Relations" covers Cornell and 14 other universities and the local governments with which they interact. In conducting the study, researchers for the Cornell Institute for Social and Economic Research (CISER) asked officials of the institutions and governments to supply them with a lot of information, some of which apparently had not been collected and analyzed before.

"Participating in the CISER study turned out to be very important. It forced the university to collect in a systematic way data about the contributions that Cornell makes to support local government services," said David I. Stewart, Cornell's director of community relations. "Having this information should prove to be helpful to understanding this issue."

But the numbers by themselves do not give a complete picture, Stewart noted. The researchers pointed out that they did not consider the role that universities play in determining an area's overall quality of life — the effect on local businesses of spending by students or university employees, the cultural environment the institutions create, and the institutions' impact on the local housing and job markets.

A local example of the latter is how Cornell's stable employment base has helped to give Tompkins County a 2.7 percent unemployment rate for February, the lowest in New York State.

Another facet to Cornell's effect on the region is what the future will bring. A report issued last year by Wharton Econometric Forecasting Associates of Philadelphia said that growth in the university's expenditures for research alone is expected to add up to \$2.2 billion to personal income and up to 4,200 new jobs in the 13-county region around Cornell by the year 2000.

In the CISER study, the university reported making a total of \$1.23 million in cash transfers to local governments for the 1986-1987 academic year, including \$189,894 in property tax payments (\$220,127, according to Tompkins County), \$943,430 in direct payments or payments in lieu of taxes for services and \$96,000 in other cash payments.

Lessees of Cornell-owned land paid an additional \$138,264 in property taxes.

Cornell also paid a total of \$3.44 million for fire, police, street maintenance, trash/sanitary, water, sewer and transportation services. Included were the following amounts paid to private contractors or in direct payments or payments in lieu of taxes or voluntary contributions to local government:

- Schooling (generally for children living in married-student housing) — \$258,516 to the Ithaca School District, including \$108,516 in property taxes.
- Fire protection — \$107,930 to local government, negotiated in lieu of tax

payment with the City of Ithaca and Town of Ithaca, plus non-negotiated payments to other fire departments.

• Sewer — \$675,000 to local government (\$450,000 annually to the City of Ithaca and \$225,000 to the Town of Ithaca).

• Sanitary or trash disposal — \$195,000 to private contractors.

• Transportation — \$10,500 to the City of Ithaca to subsidize Ithaca Transit System losses; the university operates TOMTRAN, the county's public transportation system.

Also included in the \$3.44 million were the following costs for services that the university provides for itself:

• Health care — \$3.16 million for internal service, not including the university's medical school and hospital in New York City.

• Police service — \$1.18 million, of which \$159,000 is for life safety. Cornell Public Safety may provide services for the off-campus community in an emergency.

• Water — \$120,000 for the campus water supply system. Additionally, payments are made to municipalities if their water is used in a campus emergency. The off-campus community, in turn, has emergency use of Cornell water.

• Sewer — \$270,000.

• Street maintenance — \$1.05 million for internal service, covering more than 15 miles of streets and roads.

• Sanitary or trash disposal — \$100,000.

• Campus transportation — \$517,500, representing the cost of university service minus income generated from bus fees.

Many of these services are provided by municipalities to other universities.

Students living off campus paid at least \$21 million in rent in 1987. Their other off-campus expenditures for food, clothing, vehicles, stereos, entertainment and other needs totaled between \$15 million and \$18 million, financial aid data indicate. These generate a significant amount of sales tax revenue for local communities.

The university also collected \$1.2 million in sales tax on items sold on campus. Of the 7 percent sales tax, four-sevenths went to the state and three-sevenths, or about \$500,000, went to the county. The county then redistributed half of that to its city, towns and villages according to point of sale.

University purchases of goods and services from vendors in Tompkins County exceeded \$82 million in 1987, and the university's payroll for some 8,900 employees was about \$300 million.

Although Cornell pays no sales tax on local purchases, it does pay a gross utility tax of 1 percent on electricity and gas purchased through New York State Electric and Gas, which yielded the city \$297,893 and the Village of Cayuga Heights \$22,964 for September 1986 through August 1987. The tax also applies to New York Telephone Co. local usage and service charges, which yielded \$8,330 for July 1986 through June 1987. The amounts that went to the city and vil-

lage are not known.

Among the institutions studied, only Stanford University pays sales tax on its institutional purchases; California is the only state in the study that does not exempt such purchases by non-profit entities.

Cornell also makes a number of other contributions:

• It is participating with the City of Ithaca, Town of Ithaca and Tompkins County in a transportation and traffic study of East Hill (Cornell's share was \$7,000).

• The university donated two acres valued at \$30,000 to the city and town for a fire station on West Hill.

• Cornell does not charge royalty fees for the use of the university logo on items sold by local merchants.

• Faculty and researchers work with area public school teachers in the university's Committee on Education and the Community, offering an enrichment program, tuition waivers and scholarships, a visiting fellows program, and donations of research and instructional equipment (valued at \$33,000 in 1987) to aid local high school students and teachers.

• The university is subsidizing the joint operation of the Cornell Infant Care Center and Ithaca Childcare Center for \$595,000 for 1988 through 1993, is donating a 3.1-acre parcel of land worth \$80,000 for a new facility and is holding the mortgage on the new facility.

Additionally, Cornell made the following payments last year:

• \$90,000 to the city for building permit fees and \$6,000 in lieu of Tompkins County's room tax.

• \$25,000 to the Tompkins County Area Development Corp.

• \$5,000 to the Ithaca Neighborhood Housing Service.

• \$17,640 to the Tompkins County Day Care Council.

And Cornell has a tentative agreement to pay \$75,594 for joint projects with the city for Collegiate redevelopment.

University employees in 1987 donated \$413,786 to the United Way of Tompkins County, about one-third of the agency's total funding.

Other public service activities contribute economic benefits that are difficult to measure. Among these are university museums, libraries and art facilities, testing and consulting services in agriculture and veterinary medicine, and the meteorology unit on campus, which provides severe-weather warnings to the community via local media.

There's also the technology transfer program initiated by Cornell Cooperative Extension, the New York State Science and Technology Foundation, and Cornell's Biotechnology Program to match potentially marketable biotechnology ideas with small firms in search of new products. Another effort, in the College of Engineering, involves the Cornell University Manufacturing and Productivity Program, which helps local and Southern Tier companies overcome manufacturing productivity problems.

Resolved: Cornell Forensics can become No. One

It's the Christmas break, and you're in Tulsa, Okla., with the Cornell forensics team. Your event is Extemporaneous Speaking. At 3 p.m. you pick up your assignment, a slip of paper with three questions typed on it: "Will the Indian involvement in Sri Lanka ever tame the Tamil Tigers?" "Will the Reagan administration be able to save the contras?" "Will the service economy continue to move the jobless rate lower?" Think fast, because at 3:30 you will enter a classroom and give a 10-minute talk on one of these questions before three judges, all of them forensics coaches and well-informed on each of the issues.

Seventeen Cornell students went through the preceding exercise, or others like it, four times in January. They won forensics tournaments held at University of Southern California, U.C.L.A., University of Oklahoma, and University of Texas at Arlington, averaging 150 more points per tournament than the second-place teams.

The Cornell teams went West expecting to win. Tournament veterans, the students had practiced debate and public speaking two nights a week during the fall semester, were armed with extensive background files on current events and were accompanied by a coaching staff that includes former national forensics champions.

Six years ago, the Cornell Forensics Society had difficulty rounding up enough people to form a four-person debate team. Today it has almost 80 members, and is enjoying its best year ever as a national power.

Cornell debate teams took third place at the National Cross-Examination Debate Association tournament April 3, for example. Their previous best performance was sixth two years ago. In public speaking, Cornell finished sixth out of 108 schools in the American Forensics Association national tournament April 11, and Cameron Jones, Class of '89 took first place in impromptu speaking. This is the first year Cornell has broken-into the top ten nationally in public speaking. Cornell teams will also compete in the National Forensics Association tournament at the end of April.

What turned things around? "Pam Stepp," said David Topol, '88, student director of forensics.

Pamela Stepp is a lecturer in communications. She came to Cornell in 1980, saw the need for debaters and started recruiting them from her speech classes. With support and encouragement from Russell Martin, professor emeritus of communications, she has obtained funding from the College of Agriculture and Life Sciences and the Law School to support a coaching staff. She also receives support for team expenses from the Student Finance Commission, the ILR School, the Arts College, the College of Human Ecology, the Engineering College, the Vice President for Academic Programs, and from alumni.

"What drives me is knowing that anyone can become a good debater or public speaker," Stepp said. Most speech textbooks describe speaking before an audience as the number one human fear, she said, so she feels her job is to convince students they can overcome that fear. "The goal is not just to learn what to say, but to learn how to hold a conversation with your audience, whether it's one person or a hundred," she said.

Students don't generally learn oral communication in their classes, she said, but in forensics they are being judged on their skills by communication experts all across the country.

Stepp's first concern is that every undergraduate in the forensic society, beginner



Claude Levett

Several members of the Cornell Forensics Society, with their director, Pamela Stepp, second from right, are, from left: sophomore Anthony Di Fiore; sophomore Laura Pagano; senior David Topol, student director of forensics; and senior Denise Colasanti. Behind them are just a few of the scores of trophies team members have won this past year.

through expert, compete in as many tournaments as possible. "We have pre-med, pre-vet, engineers in the club, and they may only have time to compete three times a semester," she said. "My job is to convince them that, even without experience, they can perform well."

She also writes numerous recommendation letters for her students each spring. Graduate school applications always ask for an evaluation of students' oral skills, she said.

"What drives me is knowing that anyone can become a good debater or public speaker. The goal is not just to learn what to say, but to learn how to hold a conversation with your audience, whether it's one person or a hundred."

— Pamela Stepp

Stepp is particularly proud that two Cornell students are officers of national organizations. Topol was elected student president of Delta Sigma Rho, the national honor society for speech and debate, last year. Jones, a junior in the College Scholar Program, was elected one of two student officers of the National Forensics Association, which sponsors contests in the individual-event category.

"They were elected because of their performance in tournaments and their leadership abilities, and it's nice to have two out of the three national student officers be from Cornell," Stepp said.

Topol's specialty is cross-examination debate, a style of debating in which two-person teams alternate speaking with their opponents and try to disprove the other side's arguments. "You never know what the other team's argument will be," he said. "But you can tell when you've scored on them when they can't produce evidence to counter your arguments and have to fall back on logic. That means you've done better research than they have. Of course, the same thing can happen to you, and then you really learn how to keep your cool."

If a debater maintains composure, it's perfectly possible to win a debate even after being surprised by the opposition, he said.

According to Topol, one reason that Cornell teams are rarely surprised is the quality and extensiveness of their files. Team members are assigned publications to clip. Topol, for instance, scans each Monday's New York Times for evidence to add to the files.

Jones is one of Cornell's best contestants in Individual Events, or "I.E." There are nine such events, including public address, limited preparation (contestants ponder an obscure quotation for 60 seconds — in a recent tournament it was "He's brilliant with a capital L - T.M. Jopek" — then must give a six-minute talk about it), interpretive prose and poetry, and after-dinner speaking.

"Sometimes I do as many as 14 of these individual events in one weekend," Jones said. "Most people do four or five, but I'm chasing the national trophy record of 309 final-round appearances."

During a recent tournament, Jones presented a critique of Randy Shilts' new book about AIDS and Shilts' responsibility as a reporter; gave a 10-minute talk about superconductivity, "what it is and how it will change our lives;" a rhetorical criticism of Gabriel Garcia Marquez's novel "One Hundred Years of Solitude"; a literary criticism of Balzac's novel "Eugenie Grandet"; a stand-up humorous routine on boxing; a denouncement of Allan Bloom's book "The Closing of the American Mind"; and a sales pitch for Plato.

"It's a real charge to craft a beautiful speech, and it's a big ego boost to compete with 200 people and come home Sunday night with a suitcase full of metal," he said.

There are other rewards as well. As Topol put it, "You make a lot of friends at tournaments, and it's great to know you're learning lifelong skills. I plan to go to law school the year after next, and my debating skills should help me."

Alumni agree on the importance of speaking skills. Alvin Cowan '26, a lawyer writing in the Forensics Society's newsletter, praised forensics for "teaching me the importance of preparation for argument and particularly the advantages to be gained by anticipating the arguments of adversaries."

Reid Campbell '85, a marketing assistant for Shell Canada, wrote that the most important skill forensics left him was a sense of commitment. "It is the commitment to your message that gives the practical skill of speaking its meaning," he said.

Dr. Henry Heimlich '41, inventor of the Heimlich maneuver, wrote, "Debate teaches you to seek out ideas, this being particularly important in searching for a way to obtain world peace."

— Joe Leeming

New dean says ILR must change to meet next century

New industrial technologies, major changes in the American work force and U.S. world trade deficits require the School of Industrial and Labor Relations to adopt new programs for the 21st century, the school's next dean believes.

David B. Lipsky warned that the 42-year-old school — which is the oldest of its kind in the nation — must avoid being satisfied with its present work.

"The school is very strong at this point, probably preeminent in the country, but we cannot rest on our laurels," he said in an interview. "We must adapt to meet the challenges of the new century."

Lipsky, 48, a labor scholar and practi-

ing specialist in collective bargaining, was named on April 13 to move up from associate dean to succeed Robert E. Doherty on July 1, subject to approval of the trustees.

Lipsky said the school must adapt to "historic transformations" now taking place in industry and labor.

"The workplace is changing dramatically and will be much different in the next century than it is now," he said. "We live in a more competitive world economy, and significant technical changes are having an impact on the workplace."

"For example, biotechnology and robotics are having a dramatic effect on the nature of work, and we are seeing many

changes in the nature of union and management relations."

Lipsky said the American work force is developing "significant stresses and strains" because more workers are better educated today than in the past and, at the same time, less-skilled workers are entering the labor market from immigrant groups.

The new dean said that he considers the size of the faculty and the condition of the school's facilities inadequate "to keep up with the mission of the school in preparing students for management and labor problems of the new century, and for research."

Enrollment in the school has increased from about 350 students in the 1960s to

about 750, but the size of the faculty has remained at about 50, he explained, adding, "My objective is a faculty of about 60."

Ives Hall, which houses the school, has not undergone any major modifications since 1962 despite increased enrollment and the need for more classrooms and library space, he also noted.

The School of Industrial and Labor Relations is a part of the State University of New York, and Lipsky said state funding has not kept pace with requirements.

"We also must seek greater support from our alumni, from industry and from labor groups," he added.

— Albert E. Kaff

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 sub-heading of the calendar in which the item should appear.

DANCE

Israeli Folkdancing

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

EXHIBITS

Johnson Art Museum

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

"New Photography 2," featuring works in color by three contemporary photographers -- Mary Frey, David Tavener Hanson and Philip Lorca diCorcia -- will be on view April 23 through June 11. The exhibition was organized by John Szarkowski, director of the Department of Photography of The Museum of Modern Art, New York City, and an A.D. White Professor-at-Large here.

The Second Annual Arthur S. Penn Symposium, "Current Issues in Documentary and Color Photography," will be held in connection with the exhibit, April 22 and 23, in 115 Tjaden Hall.



J. Wenk

John Szarkowski

Friday's symposium, which will begin at 4 p.m., will include an introduction by John Szarkowski, followed by slide presentations by the three photographers. A panel discussion and question-and-answer period will follow.

Saturday's session, which will begin at 9:30 a.m., will feature photographers/photography theorists Allan Sekula and Victor Burgin and photography historian Sally Stein. A panel discussion and question-and-answer period will follow the presentations.

"Bryan Hunt: Falls and Figures," an exhibition featuring some 30 drawings and 20 bronze sculptures spanning Hunt's evolution from abstract water images to more figurative forms, through May 22.

"Jon Haggins: A Designer and His Dresses," featuring 15 original evening gowns and related drawings by the New York City designer, a selection of graphics, including covers of "Cosmopolitan" and illustrations and articles from other magazines and newspapers, and a video tape showing Haggins' garments in motion, through April 24. Co-sponsored by the Cornell Council of the Creative and Performing Arts, Department of Textiles and Apparel and College of Human Ecology.

Uris Library

"U.S. Hispanics' Contributions to the Development of North American Culture," on view through May 15, Uris Library. Sponsored by the Hispanic American Studies Program.

Willard Straight Hall Art Gallery

"Island Images: Portrait of a People," through April 22, Monday-Saturday, 9 a.m. to 9 p.m.; Sunday, 10 a.m. to 9 p.m. Sponsored by the Hispanic American Studies Program.

FILMS

Unless otherwise noted, films are sponsored by Cornell Cinema. An (*) indicates that admission is charged.

Thursday, 4/21

"Compilation," Hispanic American Studies Program, 4 p.m., art gallery, Willard Straight Hall.

"Passion" (1986), directed by Silvia Chang, with Lam Tse-Cheung and Cora Miao, co-sponsored by East Asia Program, Hong Kong Students Association, Chinese Students Association and Singapore Club, 4:30 p.m., Uris.

"Courts and Councils," South Asia Film Series, 5 p.m., 310 Uris Library.

"Fire From the Mountain" (1987), directed by Deborah Shaffer and "The Centerfielder" (1985), sponsored by CUSLAR, 8 p.m., Anabel Taylor.

"The Big Clock" (1948), directed by John Farrow, with Ray Milland, Charles Laughton, Maureen O'Sullivan and Rita Johnson, sponsored by the Arts College Pentangle Program, 8 p.m., Uris.

Friday, 4/22

"Hope and Glory" (1987), directed by John Boorman, with Sarah Miles, Ian Bannen and David Hayman, 6:30 p.m., Uris.*

"Three Men and a Baby" (1987), directed by Leonard Nimoy, with Tom Selleck, Steve Guttenberg and Ted Danson, 8 p.m., Anabel Taylor.*

"Repentance" (1987), directed by Tengiz Abuladze, with Avatandil Makharadze and Zeinab Botvadzel, 9 p.m., Uris.*

"Blue Velvet" (1986), directed by David Lynch, with Kyle MacLachlan, Isabella Rossellini, Laura Dern and Dennis Hopper, midnight, Uris.*

Saturday, 4/23

"Devi" (1962), directed by Satyajit Ray, with Sharmila Tagore and Soumitra Chatterjee, 2 p.m., Johnson Museum.* (Free to Cinema and Museum members.)

"Hope and Glory," 9:30 p.m., Uris.*

"Three Men and a Baby," 7:30 p.m. and 9:45 p.m., Anabel Taylor.*

"Blue Velvet," midnight, Uris.*

Sunday, 4/24

"Three Men and a Baby," 4:30 p.m., Uris.*

"Blue Velvet," 8 p.m., Uris.*

"Before Hollywood II: Pleasures and Pitfalls" (1905-06), 2 p.m., co-sponsored by CCPA, 2 p.m., Johnson Museum.

Monday, 4/25

"The Year of Living Dangerously" (1983), directed by Peter Weir, with Mel Gibson, Sigourney Weaver and Linda Hunt, 8 p.m., Uris.*

Tuesday, 4/26

"The Best Place to Live," Southeast Asia Film Series, documentary, 4:30 p.m., 310 Uris Library.

"Emergence" (1981), directed by Barbara Wilk, and "Make My People Live" (1984), directed by Linda Harrar, co-sponsored by Native American Students Association, 4:30 p.m., Uris.

"The Theme" (1980), directed by Gleb Panfilov, with Mikahil Ulyanov and Inna Churikova, co-sponsored by the Russian Society, 8 p.m., Uris.*

Wednesday, 4/27

"Broken Mirrors" (1984), directed by Marleen Gorris, with Henriette Tol and Lineke Rijxman, co-sponsored by Noyes Center, 8 p.m., Uris.*

"The Eternal Flow," directed by Lim, Kwon Taek with Han, Young Soo, Cho, Yong Won, East Asia Program, 4:30 p.m., Uris.

Thursday, 4/28

"Footprints of Buddha," South Asia Film Series, 5 p.m., 310 Uris Library.

LECTURES

A.D. White Professors-at-Large

"Black Holes: The Evolution of a Concept, 1783-1988," Kip S. Thorne, The William R. Kenan Jr. Professor and Professor of Theoretical Physics, California Institute of Technology, and Andrew D. White Professor-at-Large, April 28, 8 p.m., auditorium, Rockefeller Hall.

Architecture

"The Edge of Between," Peter Eisenman, architect and educator, the 1988 Mackesey Seminar Series, April 21, 5 p.m., 120 Ives Hall.

Chemical Engineering

"The Maximum Size of a Gas Bubble Rising Through Liquid," G.K. Batchelor, Applied Mathematics and Theoretical Physics, University of Cambridge, April 26, 4:30 p.m., 255 Olin Hall.

Chemistry

"Inorganic Chemistry Related to Biological Processes," Richard H. Holm, Harvard University, part of the 1988 Baker Lecture Series, April 21 and 26, 11:15 a.m., 119 Baker Laboratory.

Classics

"Senecan Tragedy: Twelve Propositions," A.J. Boyle, Monash University, Australia, and visiting professor of Classics, University of Southern California, co-sponsored by the University Lectures Committee, April 26, 4:30 p.m., 156 Goldwin Smith Hall.

English

"Copy or Copia: Fathers, Sons, and Others," Patricia Parker, University of Toronto, the 1988 Paul Gottschalk Memorial Lecture, co-sponsored by the University Lectures Committee, April 21, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

Gender and Pedagogy

"Re-vision: A Feminist Perspective," Peggy MacIntosh, Wellesley College, April 27, 4:30 p.m., Guerlac Room, A.D. White House. A workshop will be held April 28, 10:10 a.m., 201 A.D. White House.

Henri Sack Memorial Lecture

"People and Responsibilities: Science Policy in the 90s," Erich Bloch, director of the National Science Foundation, April 22, 4 p.m., Rockefeller Hall, Room A.

Hispanic American Studies

"Out of the Shadows: Mexican American Women in the Southwest 1540-1900," Vicki Ruiz, University of California, David, April 21, 3 p.m., 153 Uris.

"This Writer's Sense of Place," Rolando Hinojosa-Smith, University of Texas, Austin, April 21, 8 p.m., A.D. White House.

"Bilingualism, Are We Creating a Separate Society?" Linda Chavez, President of US English, Washington, D.C., April 26, 12:15 p.m., International Lounge, Willard Straight Hall.

Law

"Privatization: Prospects and Perils," Richard A. Epstein, James Parker Hall Professor of Law, University of Chicago Law School, the Irvine Lecture, April 21, 4 p.m., MacDonald Moot Courtroom, Myron Taylor Hall.

"Peace Process in Nicaragua," David P. Wippman, partner in law firm of Reichler, Appelbaum & Wippman, Washington, D.C., April 25, 3 p.m., Dining Room, Hughes Hall.

Music

"Aspects of Jazz Analysis," Gary Potter, Indiana University, April 27, 4 p.m., Grout Room, Lincoln Hall.

Nanofabrication

"Nanofabrication: A Vision of the Future," a symposium to celebrate the 10th anniversary of the National Nanofabrication Facility at Cornell, April 21. For details, call 255-2329.

Near Eastern Studies

"Modes of Rationality in Medieval Jewish Thought," Alfred Ivry, Brandeis University, April 21, 4:15 p.m., 374 Rockefeller Hall.

"The Hittites and the Bible," Jack Yakar, Tel Aviv University, April 26, 4:15 p.m., 374 Rockefeller Hall.

November 11th Committee

"Gorbachev and Soviet Reform: Insights on the Present and Future" a discussion about whether Gorbachev is transforming the politics of the Soviet Union, and if so, the implications for arms control and U.S.-Soviet relations, with Yuri Orlov, Cornell, David Lane, University of Birmingham and Jerry Hough, Duke University and Brookings Institution, April 27, 8 p.m., Baker Auditorium.

Society for the Humanities

"The Black Church and Oppositional Politics," Cornel West, Union Theological Seminary, part of the Toni Morrison Lecture Series, April 28, 4:30 p.m., Guerlac Room, A.D. White House.

"Anthropology, Photography and Politics in Victorian America," Joan Mark, History of Anthropology, Harvard, April 28, 4:30 p.m., 22 Goldwin Smith Hall.

South Asia Student Association

"Intercultural Communication in India," Jnan Bhattacharyya, Community Development, Southern Illinois University, Carbondale, and visiting fellow, South Asia Program, April 27, 12:15 p.m., 153 Uris Hall.

Southeast Asia Program

"Politics in Bali," Geoffrey Robinson, SEAP grad, Government, April 21, 12:20 p.m., 102 West Ave. Ext.

"Issues of First Asylum and Protection," Carol Hecklinger, director, Office of Refugee Admissions and Processing, Refugee Bureau, U.S. Dept. of State, April 28, 12:20 p.m., 102 West Ave. Extension.

Western Societies Program

"Stimuli for Scientific Technological Advance: Plastics, A Case Study," Morris Kaufmann, North London Polytechnic Institute, April 21, noon, faculty commons, Martha Van Rensselaer.

"Higher Education and Industry, Should They Dance to the Same Music?" Morris Kaufman, North London Polytechnic Institute, April 26, 4 p.m., Faculty Commons, Martha Van Rensselaer Hall.

MUSIC

Bound for Glory

Jan Marra, Minnesota songwriter, April 24. Bound for Glory presents three live sets, at 8:30, 9:30 and 10:30 p.m., most Sundays at the Commons Coffeehouse, Anabel Taylor Hall. Admission is free. The show can be heard from 8 to 11 p.m. on WVBR-FM93.

Cornell Folk Song Club

Sally Rogers, singing contemporary songs and ballads either a capella or accompanying herself on mountain dulcimer, guitar or banjo April 23, Kaufmann Auditorium, Goldwin Smith Hall. Advance tickets are available at the Commons Coffeehouse, Anabel Taylor Hall, Rebo Records, and Borealis Books.

Department of Music

Monique Cho will give a student piano recital, April 21, 8:15 p.m., Barnes Hall, featuring works by Debussy, Grieg (with two pianos), Beethoven and J.S. Bach.

Bart van Oort, fortepianist currently studying for his doctorate with Malcolm Bilson, will give a recital April 22, 8:15 p.m., Barnes Hall. He will perform works by Beethoven, Mozart, Haydn and C.P.E. Bach.

Students Jonathan Ivry, violin, Andrew Walkling, cello, Virginia McKnight and Mee-Jin Woo, piano, will perform chamber music, April 23, 8:15 p.m., Barnes Hall. The program will include works by Brahms, Debussy and Shostakovich.

Festival Chamber Orchestra, under the direction of composers conducting their own work, April 24, 4 p.m., Barnes Hall. The performance will include Elizabeth Alexander's "Three Roses Auslander Songs," for soprano and chamber orchestra with soprano Janet Youngdahl; David Brackett's "Harmonia," for string orchestra; Javier de la Torre's "Nostalgia I," for trumpet horn and 15 solo strings; Chris-



Ingiliz Abuladze's highly-acclaimed film, "Repentance" (1987), will be shown this Friday night at 9 p.m. as part of Cornell Cinema's "New Soviet Cinema" series.

Her Hopkin's "Variations," for string orchestra, Stephen Taylor's "Gesture without Motion, for string orchestra; and Tyler White's "Fantasia ricercata," for trumpet and chamber orchestra with soloist Tom Bontrager.

Baritone Sanford Sylvan, accompanied by pianist David Breitman, will perform songs by Schubert, Ravel, Richard Cornell (text by Walt Whitman) and Mussorgsky (text by Golenitschev-Kutusov) on April 24, 8:15 p.m., Barnes Hall.

Sylvan, who has appeared in solo, chamber music, opera, theatre and orchestra concerts on stage, festivals and television and sang the role of Chou En-lai in the opera "Nixon in China," was invited this season to the three Wang Opera Series in the part called "Nureyev and Friends," featuring Rudolf Nureyev in original choreography.

Breitman is currently studying for his M.A. with Malcolm Bilson.

Pianist Jonathan Shames will perform an Chopin program, April 25, 8:15 p.m., Barnes Hall, featuring Polonaise-Fantasia, Balades I and IV and Sonata No. 4. This is Shames' last concert of this year's "International Series."

Piano students will give a recital, April 27, 8:15 p.m., Barnes Hall, featuring composers J.S. Bach, Schumann, Grieg, Isaac Albeniz, and Claude Franck and Bela Bartok.

Trevor Stephenson, fortepianist, will give a D.M.A. recital, April 28, 8:15 p.m., Barnes Hall, featuring works by Haydn, Mozart and Schubert.

READINGS

English

Jon Stallworthy, professor of English at Oxford University and formerly the John Wendell Anderson Professor of English here, will give a poetry reading, April 22, 4:30 p.m., 132 Rockefeller Hall.

Quodlibet

The annual medieval poetry reading will be presented on April 27, 4 p.m., in the Temple of the Arts. Among the readers will be Professors John Arroyo, Colby-Hall, Groos, Hill, John, Lake, Mehrez, Migiel and Wetherbee.

RELIGION

Sage Chapel

Peter J. Gomes, Memorial Church, Harvard University, will be the speaker at the Sage Chapel interfaith services April 24, beginning 11 a.m.

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., the Anabel Taylor Founders Room.

Episcopal (Anglican)

Every Sunday, 9:30 a.m., Anabel Taylor Chapel.

Every Tuesday, 8 a.m., morning prayer, Anabel Taylor Chapel.

Every Wednesday, 4:30-6 p.m., open house, 214 Wait Avenue.

Every Thursday, 5 p.m., evening prayer, G3A, Anabel Taylor.

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 6:00 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 House, 106 West Avenue. Call 272-5810. Saturday, 9:15 a.m., Anabel Taylor Edwards Room.

Korean Church

Every Sunday, 2:30 p.m. Anabel Taylor Hall.

Muslim

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

Protestant

Protestant Cooperative Ministry: Every Sunday, 11:15 a.m., Anabel Taylor Chapel.

Baptist Campus Ministry (SBC): Every Tuesday, 7:30 p.m., Anabel Taylor Chapel.

Zen Buddhism

Zazen meditation: Tuesdays at 7 p.m., Edwards Room, Anabel Taylor Hall. Every Thursday 5:10 p.m., Anabel Taylor Chapel. For more information or to arrange beginner's instruction, call Ian Dobson at 277-4364.

SEMINARS

Agronomy

"Soybean Somatic Embryogenesis and Maturation to a Desiccation Tolerant State," Ralph Obendorf, Agronomy, April 26, 4 p.m., 135 Emerson.

Applied Mathematics

"Chaotic Mixing of Viscous Liquids," J.M. Ottino, University of Massachusetts, April 22, 2 p.m., 322 Sage Hall.

Bailey Hortorium

"Ecological and Evolutionary Consequences of Huastec Mayan Plant Management," Janis Alcorn, Tulane University, April 21, 4:30 p.m., B108 Bradfield Hall.

Biophysics

"Time-Resolved X-Ray Diffraction Studies of Sarcoplasmic Reticulum Membrane multilayers," Kent Blasic, Chemistry, University of Pennsylvania, April 27, 4:30 p.m., 700 Clark Hall.

Cell Pathology

"Calcium-Dependent Cellular Regulation - Protein Kinase C and Tumor Promoters in Cancer Metastasis," Dr. Rayudu Gopala-Krishna, April 21, noon, G3 Vet Research Tower.

Chemistry

"Unusual Oxidation States in Transition Metal Chemistry," Klaus Theopold, Cornell, April 21, 4:40 p.m., 119 Baker.

"Design of Ferroelectric Liquid Crystals," David Walba, University of Colorado, April 25, 4:40 p.m., 119 Baker.

"Relaxation in Supercooled Liquids: The Approach to Glass," Daniel Kivelson, April 28, 4:40 p.m., 119 Baker.

Computer Services

"Applications and Educational Implications of Interactive Laserdisc Technology," Geri Gay, Computer Services, Education, April 21, 12:20 p.m., 100 Caldwell Hall.

East Asia Program

"The Unique Connection: U.S.-Japan Relations in a Changing World," Masataka Kosaka, April 21, 4:30 p.m., Bache Auditorium of Malott Hall, followed by a panel discussion until 6:30 p.m. Kosaka is the East Asia program's third annual Mitsui Fellow-in-Residence.

"Chinese Society in Modern Chinese Literature," (in Chinese) Wang Yingguo, visiting scholar, Brown University and Chinese Language and Literature, Nanjing University, April 27, 4:30 p.m., 374 Rockefeller Hall.

Ecology and Systematics

"Hierarchy Theory Applied to Landscape Ecology," Robert V. O'Neill, Oak Ridge National Laboratories, April 27, 4:30 p.m., Morison Seminar Room, A106 Corson/Mudd.

Education

"Creative Arts as Affective Education in Cross Cultural and Elementary School Situations," Steve Harvey, child and family psychologist, adjunct professor, University of Colorado Springs, April 22, 1:30 p.m.- 4:30 p.m., N207, Martha Van Rensselaer.

"Dynamic Play Therapy with Children and Family," Steve Harvey, University of Colorado Springs, April 23, 11 a.m.- 3 p.m., N207 Martha Van Rensselaer.

Environmental Toxicology

"Sorption and Degradation of Atrazine and Simazine During Transport in Soils," Amy Gernerding, Environmental Toxicology, April 22, 12:20 p.m., 304 Femow Hall.

Floriculture and Ornamental Horticulture

"Mary Rockwell - A Garden Reborn," Rick Bogusch, landscape designer, Cornell Plantations, April 21, 12:15 p.m., 404 Plant Science.

"A Spatial Design Language for the Natural Design Approach," Amy Nettleton, MLA graduate, April 28, 12:15 p.m., 404 Plant Science.

Food Science

"Characterization of a Heat Stable Protease from *Thermomano spore fusca*," Magnus M. Kristjansson, Cornell, April 26, 4:30 p.m., 204 Stocking.

Genetics and Development

"Development: Traveling with Path of the Code?" Anne Fausto-Sterling, Brown University, April 21, 3 p.m., 135 Emerson Hall.

Geological Sciences

"Earthquakes as a Non-linear Dynamical Process: Fault Weakening and Universal Scaling Laws," William I. Newman, UCLA/Cornell, April 26, 4:30 p.m., 1120 Snee Hall.

History and Philosophy of Science and Technology

"Greater Germany, Cultural Imperialism and the Myth of the German Atomic Bomb," Mark Walker, History, Union College, April 27, 4:30 p.m., 165 McGraw Hall.

International and Community Nutrition

"Nutrition and Keshin-Beck Disease in China," Chen Junshi, deputy director, Institute of Nutrition and Food Hygiene, Chinese Academy of Preventive Medicine, Beijing, and adjunct professor, Nutritional Sciences, April 21, 12:40 p.m., NG35 Martha Van Rensselaer Hall.

Latin American Studies Program

"Vanishing Genes? A View From Andean Potato Fields," Stephen Brush, University of California, Davis, co-sponsored by the University Lectures Committee, April 22, 4:30 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall.

"Mexico: Economic Crisis and Working Women," Jose Antonio Alonso, Urban Sociology, Universidad Autonoma de Mexico, April 25, 4:30 p.m., G08 Uris Hall.

"From Field to Factory: Vertical Integration of the Cacao Industry in Bolivia, Kevin Healy, Development Sociology, April 26, 12:15 p.m., 153 Uris Hall.

"The Bolivian Peasant Movement in the 1980's in the Changing Context of Military Rule, Democracy and the Coca-Cocaine Boom," Kevin Healy, Development Sociology, April 26, 4:30 p.m., G08 Uris Hall.

Materials Science and Engineering

"Recent Progress in High Temperature Materials," H. Schadler, GE Corp. R&D, April 21, 4:30 p.m., 140 Bard Hall.

"Structure Miscibility Relationships in Polymer Blends," D. Massa, Eastman Kodak, April 28, 4:30 p.m., 140 Bard Hall.

Mathematics

"Local and Global Properties of Tiling," Branko Grunbaum, University of Washington, Seattle, April 21, 10:10 a.m., 115 Tjaden.

"Geometry of Polyhedra," Branko Grunbaum, University of Washington, April 21, 2:30 p.m., Goldwin Smith D, Goldwin Smith Hall.

Mechanical and Aerospace Engineering

Manufacturing Engineering

"Designing Manufacturing Facilities for Meal Preparation," Robert Keefe, April 21, 4:30 p.m., 282 Grumman.

"A Scheduling System for Rome Cable Corp.," Ted Gumer, April 28, 4:30 p.m., 282 Grumman.

Microbiology

"Host-Parasite Interactions in *Hemophilus somnus* Infections of Cattle," Lynette Corbeil, Microbiology, University of California, San Diego, April 25, 12:20 p.m., G3 Vet Research Tower.

Natural Resources

"Conflict Resolution in the Canadian Off-shore," Robert H. Bailey, Canada Oil and Gas Lands Administration, Halifax, Nova Scotia, April 21, 4 p.m., 304 Femow Hall.

"Angling Ethics: The Newest Challenge in Fisheries Management," Bruce Shupp, chief, Bureau of Fisheries, NYS Department of Environmental Conservation and Robert Lange, head, Great Lakes Fisheries, NYS Department of Environmental Conservation, April 28, 4 p.m., 304 Femow Hall.

Neurobiology and Behavior

"The Electric Clones: Expression of Excitability Molecules in *Xenopus* oocytes," Henry Lester, California Institute of Technology, April 21, 12:30, Morison Seminar Room, Corson/Mudd.

Near Eastern Studies

"Modes of Rationality in Medieval Jewish Thought," Alfred Ivry, Brandeis University, April 21, 4:15 p.m., 374 Rockefeller Hall.

Operations Research and Industrial Engineering

"Hotelling's Theorem on the Volume of Tubes: Some Recent Examples," Iain Johnstone, Statistics, Stanford University, co-sponsored by Statistics, April 26, 4:30 p.m., 111 Upson Hall.

Ornithology

"The Gulf of Maine: A Sea Beside the Sea," John Heiser, director, Shoals Marine Laboratory, April 25, 7:45 p.m., Laboratory of Ornithology, 159 Sapsucker Woods Road.

Peace Studies Program

"The Political Imaginary: The Enemy in U.S. History," Helen Petrovskaya, Institute of Philosophy, Moscow, April 21, 12:15 p.m., G-08 A Uris Hall.

Continued on page 11

CORNELL in the News

A selection of articles from the national and international media featuring Cornell University

THE NEW YORK TIMES
April 6, 1988

Panel Suggests A Leaner Look For U.S. Meat

By KEITH SCHNEIDER
Special to The New York Times

WASHINGTON, April 5 — In an effort to improve health by reducing the amount of fat, cholesterol and calories in the American diet, the National Academy of Sciences today called for substantial changes in the way cattle and other livestock are raised and graded.

The recommendations reflect an effort to make meat products leaner. "We must make these animals leaner," the report, "Designing Foods," was produced by a 16-member panel of experts, including nutritionists, economists, veterinarians and food scientists, most of whom were affiliated with important agricultural universities. Dr. David L. Call, dean of the College of Agriculture and Life Sciences at Cornell University, was the chairman of the National Academy of Sciences panel.

The academy, a private organization of leading scientists, is chartered by Congress to advise the Government on scientific issues. In a news conference today, Dr. Call said, "We should encourage rather than discourage food producers to provide truthful, scientifically sound nutritional information in the form of labeling," Dr. Call said.

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SYRACUSE POST-STANDARD
April 9, 1988

Cornell President Says Bush Supports Educators' Agenda

By JOHN TONELLO

ITHACA — Cornell University President Frank H.T. Rhodes met Thursday with Vice President George Bush in Washington and laid down an educational agenda he hopes the next president will follow.

At a press conference Friday afternoon at Cornell, Rhodes said Bush was positive toward increasing federal support of higher education, but he did not give specific promises. Rhodes was one of four educators to meet with Bush at the White House.

Bush is just one of the presidential candidates targeted by the Commission on National Challenges in Higher Education chaired by William C. Friday, president emeritus of the University of North Carolina. Friday attended the meeting along with Rhodes and two other educators.

"We thought it was important to get on the agendas of the (presidential) candidates," Rhodes told reporters Friday.

The group presented Bush with a copy of a report prepared by the commission titled "Memorandum to the 41st President of the United States," which outlines the importance of higher education in revitalizing the economy, encouraging international studies to improve foreign relations, and restoring respect for fundamental values and ethics, Rhodes said.

"This is not an endorsement of the vice president,"

Rhodes said, "but it was very clear that (Bush) is serious about wanting to be an 'education' president."

Rhodes said he would not endorse any candidate from either Republican or Democratic parties. He added that both parties seem interested in bolstering higher education.

"(Former presidential candidate) Paul Simon fully endorsed our memorandum," he said.

Despite President Reagan's seven years of reducing federal support to colleges and universities, Bush expressed a desire to make education a priority if he becomes president, according to Rhodes.

One item Rhodes and the other educators presented to the vice president was an idea to increase the amount of federal money given to universities for technical research and development. The group also wants more focus on non-military research, he added.

Other points included:

■ More federal money to improve the physical plants of universities. "Research labs have fallen behind and are in a state of decay," Rhodes said. "We're at a serious competitive disadvantage."

■ An examination of minority graduate student issues and taxation on graduate student stipends. The tax discourages graduate education, Rhodes said,

SCIENCE
April 1, 1988

Diet and Health in China

Chinese food can tell us a lot about the relationship of diet and disease, a relationship that, in countless studies, has proved slippery to pin down. So says T. Colin Campbell of Cornell University, who, with three colleagues from China and England, is now completing a 6-year study of Chinese dietary patterns. He provided glimpses into the study, which will be published later this year, at a recent Senate hearing on nutrition and health.

What drew the investigators to China is that country's enormous variation in cancer incidence, which became apparent with the 1981 publication of the *Cancer Atlas of China* by the Chinese Cancer Institute. The atlas revealed that in China cancer is very much a local disease, with mortality rates varying from several dozen-fold to 300-fold among regions. And in most regions, diet and life-style also vary tremendously: people usually live their entire lives in the county where they were born, eating locally grown foods.

These characteristics afford an opportunity to look at the effects of specific—and

THE NEW YORK TIMES
March 19, 1988

Coping With Storing Winter Clothes

Be sure garments are clean, keep sales receipts and handle pesticides carefully.

By DEBORAH BLUMENTHAL

The ritual of storing winter wear is about to begin and, as uninspiring as the job may be, the time and trouble can pay off, experts say. Cleaning and covering cold-weather clothes, storing them in cool, dry places and protecting them from household pests will extend their life. Neglect will show up as holes, stains, fading, mildew and misshapen garments.

The most important step before storing any garment is to clean it according to the manufacturer's in-

structions. Experts say consumers often doom their garments by failing to heed this advice.

"The No. 1 mistake consumers make is looking at a garment quickly, saying 'that looks clean' and then putting it away," said Gret Atkin, a clothing specialist with the Cornell University Cooperative Extension. "Then when they get it out of storage they find either an insect has worked on it or some oily soil has oxidized and you have a yellow stain."

Perspiration, body oil and bits of

SCIENCE
April 1, 1988

Wilson to Leave Cornell

Kenneth G. Wilson, 1982 Nobel laureate in physics and director of Cornell University's new Theory Center, has announced that he will be leaving Cornell this summer for Ohio State University.

Wilson has long been a champion of the use of supercomputers in science, and played a prominent role in persuading Congress to fund the National Science Foundation's national supercomputer centers, which were inaugurated in 1985. There are now five such centers, including the one started by Wilson at Cornell.

Because of the federal budget deficit, the supercomputer centers have not been funded at the rates originally promised, a circumstance that Wilson has criticized vigorously. "We've come to a certain level of funding from NSF," he told *Science*, "we've gotten two machines from IBM, and we've had major money from the state of New York. But now we have to move on, to upgrade

our machines and software to stay level with technological advancements. We can't wait."

Nonetheless, Wilson insists that he is basically pleased with the Cornell center, particularly its recent partnership with IBM for advanced computer architecture development. He says that his reasons for leaving have nothing to do with policy matters and everything to do with the dynamics of a two-career marriage: Alison A. Brown, the Theory Center's associate director for advanced computing and networking, and Wilson's wife, is herself leaving Cornell to become associate director of the new Ohio Supercomputer Center and associate director for research computing at Ohio State.

"It's a dream job for her," says Wilson. "And I knew I was going to go back to research soon enough anyway. My basic commitment was to get the Theory Center off the ground. As I told people here, I've been spending my time to give other people access to supercomputers. Now it's my turn." ■ M.M.W.

THE NEW YORK TIMES
March 11, 1988

Diner's Journal

phone: 335-1161.

More than one restaurant check in eight is incorrectly tabulated, according to a Cornell University study cited in a recent issue of *Nation's Restaurant News*. The survey of restaurants in 138 cities found that 70 percent of the errors shortchanged the restaurant, not the customer. This would amount to a loss of \$4 billion annually for the restaurant industry, the newspaper reported.

Maxwell's Plum (First Avenue at 64th Street)

WASHINGTON POST
BOOK WORLD

Feb. 14, 1988

Book Report

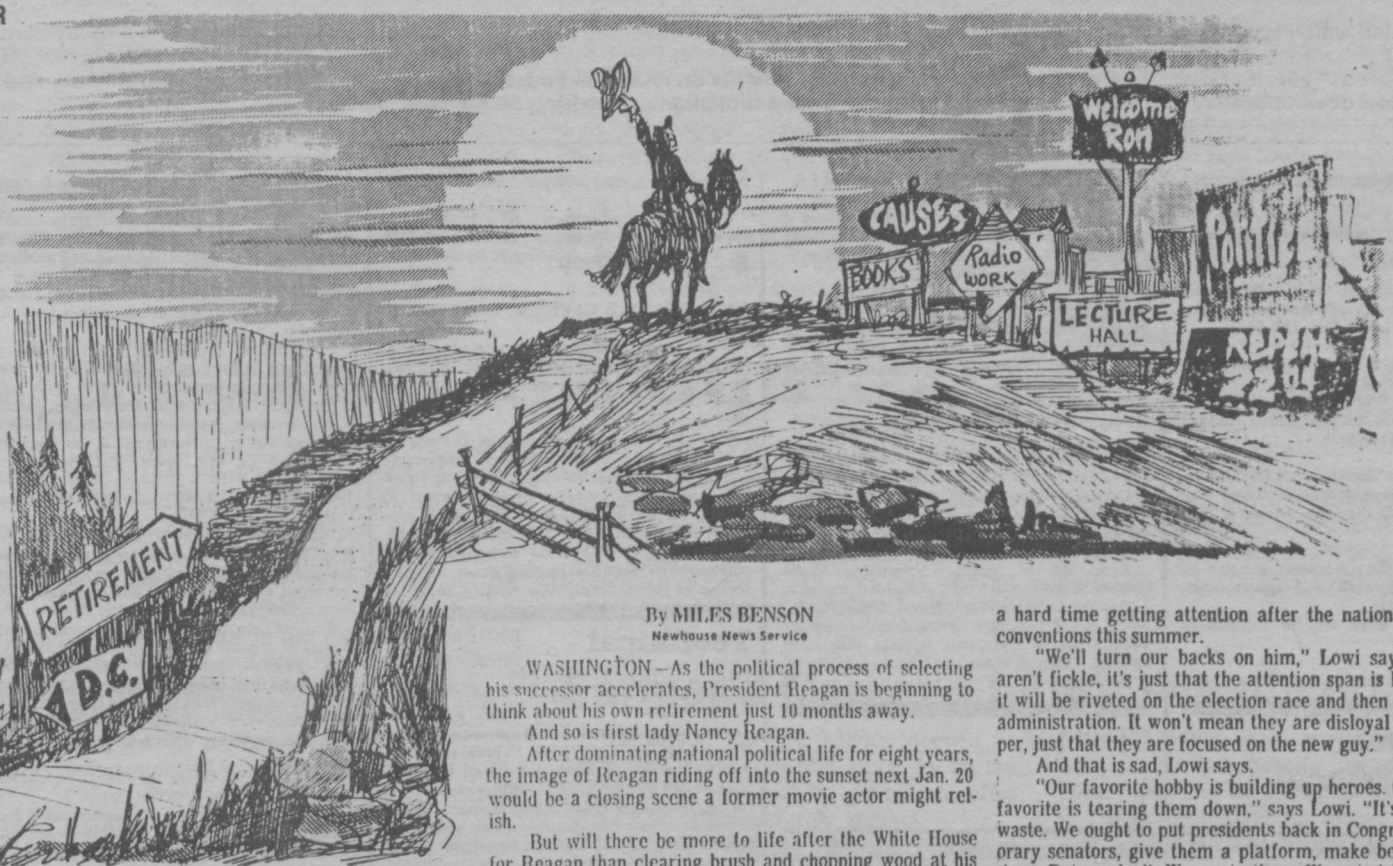
1,000 copies in print . . .

Cornell scholar Henry Louis Gates Jr. is serving as general editor for *The Norton Anthology of Afro-American Literature*, which will be published in 1990. "Dozens of Afro-American anthologies have been published before but none of this scope and magnitude," says Gates. "Never again will anyone be able to say that our literature cannot be taught because the proper materials are lacking." Material in the book will range from 1760, date of the first known African writing published in this country, to the present. ■

CORNELL in the News

NEWARK SUNDAY STAR LEDGER
March 13, 1988

As Reagan rides off into the sunset . . .



By MILES BENSON
Newhouse News Service

WASHINGTON—As the political process of selecting his successor accelerates, President Reagan is beginning to think about his own retirement just 10 months away.

And so is first lady Nancy Reagan.

After dominating national political life for eight years, the image of Reagan riding off into the sunset next Jan. 20 would be a closing scene a former movie actor might relish.

But will there be more to life after the White House for Reagan than clearing brush and chopping wood at his beloved ranch near Santa Barbara?

Bet on it.

"A lot of people will be coming at him to back their causes," says . . . of what . . . into . . . security?"

Professor Theodore J. Lowi, professor of American institutions at Cornell University, thinks Reagan will have

a hard time getting attention after the national political conventions this summer.

"We'll turn our backs on him," Lowi says. "People aren't fickle, it's just that the attention span is limited and it will be riveted on the election race and then on the new administration. It won't mean they are disloyal to the Gipper, just that they are focused on the new guy."

And that is sad, Lowi says.

"Our favorite hobby is building up heroes. Our second favorite is tearing them down," says Lowi. "It's a terrible waste. We ought to put presidents back in Congress as honorary senators, give them a platform, make better use of them. But we don't. We waste them. We get sick and tired of them, we turn our backs on them and go to the next guy."

Among past presidents, Dwight D. Eisenhower's popularity exceeded even Reagan's.

"If he went into obscurity, I wouldn't expect anything better of Reagan," Lowi said.

Lowi's comments have a . . . for vision of . . . on's retire

What Did You Say?

USAIR
April 1988

Managers in all fields of business spend a great deal of time listening to everyone from employees to clients. But, says Judi Brownell, an assistant professor of communications at Cornell's School of Hotel Administration, too often managers fail to understand what is really meant.

After testing 200 managers and 800 of their colleagues from three industries, Brownell discovered that "the managers rated themselves as much better listeners than their employees did." She says that listening is stressed but not taught.

How can one improve his or her listening skills in the office or at home? Brownell offers the following tips:

- Concentrate on what the speaker is saying without interrupting.
- Maintain an open mind
- Remember you never have all the facts
- Separate the details from the main idea

And, above all, Brownell says, a good listener should know something about the speaker's values, goals, and experiences, as definitions of terms can vary. Sounds like words to the wise.

THE SYRACUSE POST-STANDARD
April 8, 1988

COMMENT

Latin American Debts

Encourage U.S. Investment There to Create Revenue

By HAROLD BIERMAN JR.

MEXICO and several Latin American countries either cannot or will not be able to repay a large percentage of their loans to U.S. banks. If they tried to repay, their people would face serious deprivations, and massive social unrest would result.

Directly or indirectly, these loans rarely were used to acquire or develop resources that would enable the debt to be repaid. For example, bank loans helped Argentina to purchase Exocet missiles and Chile to fund consumer buying instead of creating national wealth.

Now that the mistakes have been made, the question becomes, who should pay the price and take the loss. I offer a plan that has a significant probability of benefiting all parties. Its basic objective is to increase productive investment in the defaulting countries.

Current bank loans held by Latin American governments would be repaid out of the income from these new investments. Thus, rather than cutting a large piece out of current pie, my plan would increase the size of the pie and yield more for the banks, the South American governments and the U.S. businesses involved.

Here is my proposal:

■ The U.S. government would make direct loans, or guarantee loans, to U.S. companies investing in the troubled countries. Interest rates on these loans would be lower than conventional lending in order to encourage private investment in debtor nations. U.S. government fiscal policies helped create the current problem by causing high interest rates, so the government should help solve the problem.

■ The host country would charge for direct services such as utilities, provided to a business project funded by a U.S.-secured loan, but would not tax the new investment. Income earned from that project would be taxed at the host nation's existing tax rate. Or, alternatively, the project's total revenues would be taxed at a relatively low

rate. These tax proceeds would go into a debt repayment fund controlled by the banks, and the revenues would be used to repay the Latin debt. When the currently outstanding debt is repaid in full, the host country would resume collecting normal taxes.

■ In addition, the host country would help pay its debt from its own treasury with revenues created by the new projects. These payments would be based on a percentage of total wages generated by the U.S.-backed investments, but the maximum amount would be limited to what the country could afford to pay. The logic for using wages in computing part of the loan repayment is that the increased wages generated by these new investments will make a country more prosperous, and part of that new prosperity should go toward debt repayment.

■ In some countries, laws prevent 100 percent foreign ownership of companies or plants. These laws would have to be changed to permit U.S.-guaranteed investments. It is expected that relaxing these restrictive laws will increase the economic efficiency of all countries participating.

While this plan may appear to be advancing U.S. economic imperialism, nothing is further from the truth. Foreign ownership of U.S. industry is increasing rapidly, and countries' economies are becoming more and more intertwined. This plan simply advances a process already under way. The benefits will be spread widely.

Thus, Mexican and Latin American loans could be repaid by taxing benefits created by new U.S. investments in those countries. In turn, the resulting increased productivity in those countries should improve the general prosperity of our southern neighbors.

(Bierman is a professor of business administration in Cornell University's Johnson Graduate School of Management. He specializes in corporate investment, financial policies and business strategy.)

THE CHRONICLE OF HIGHER EDUCATION
March 16, 1988

Foot- notes

Cornell University has had dropped into its lap the beginnings of what could become a major resource for research on human sexuality.

The Mariposa Education and Research Foundation, an organization dedicated to dispelling common misconceptions about sexuality, has given Cornell its archive of materials on homosexuality. In addition, David B. Goodstein, a Cornell alumnus and the former publisher of the *Advocate*, a magazine that covers homosexual issues, has bequeathed to the university an endowment to help build the Mariposa collection into a comprehensive archive on human sexuality in general. Mr. Goodstein died in 1985.

The idea for the archive did not originate at Cornell, according to H. Thomas Hickerson, head of the department of manuscripts and university archives. But when Cornell was approached, he says, "we were interested."

NEW YORK DAILY NEWS April 4, 1988

OPENING BELL

A PREVIEW OF THE WEEK'S
FINANCIAL NEWS

MONDAY

The Commerce Department issues several quarterly financial reports, among them: overall U.S. retailing and manufacturing.

TUESDAY

Arthur Levitt, chairman of the American Stock Exchange, presents his view of post-crash market regulation to the National Press

Club in Washington, D.C.

■ In Kansas City, Mo., the Chrysler bargaining council of the United Auto Workers union begins a three-day session to work out its position for contract talks. Negotiations with the No. 3 auto maker are to start in about two weeks.

WEDNESDAY

The National Housing Institute issues results of a nationwide survey on how well middle-class families are coping with the high prices in the residential market.

■ Look for improvement for domestic auto makers when U.S. and foreign producers report March sales of cars and light trucks.

Thomas O'Grady, Integrated Automotive Resources Inc. in Wayne, Pa., says Ford will have record or near-record sales, and that Chrysler will be strong. "Chrysler's incentive programs have managed to draw quite a crowd."

Over the past two years, domestic car makers have raised prices, only modestly, he said, and the

Japanese have raised prices considerably, some as much as 30%.

That's not surprising to Prof. Jerome Hass, of Cornell's Graduate School of Management. "To keep prices constant in terms of the yen, the Japanese must raise dollar prices of their products as the U.S. currency weakens."

Adds Hass, "That's what's supposed to happen in a freely floating exchange rate situation."

THURSDAY

Retail analysts expect the nation's

biggest general merchandisers to continue their generally flat sales when they report March sales.

FRIDAY

On the eve of OPEC's pricing committee meeting to discuss ways of propping up oil prices, Joseph Dorsey, president Argus Research, says he expects prices "to bottom out near current levels." Dorsey looks for improvement in the long-term.

—Tommy Thompson

Job Opportunities

April 21, 1988
Number 14
Office of Human Resources
Cornell University
160 Day Hall
Ithaca, New York 14853-2801

In compliance with the Immigration Reform and Control Act of 1986, Cornell University is now required to check the identity and employment eligibility of all new hires.

Effective June 1, 1987, if you accept a position, you must show documents on or before your first day of work, that indicate your identity and employment eligibility; for example, a state issued driver's license and a birth certificate. For more information, contact Staffing Services, 255-5226.

-Interviews are conducted by appointment only.

-Send cover letters & resumes to Staffing Services, 160 Day Hall, Cornell University, Ithaca, NY 14853.

-Employment & employee transfer application forms are available at both Staffing Services locations-160 Day Hall & East Hill Plaza.

-Requests for referral &/or cover letters are not accepted unless specified in the ad.

-Cornell University is an Affirmative Action/Equal Opportunity Employer.

-This listing is also available on CUINFO. Terminals are situated in main lobbies of Day Hall & Gannett Clinic, & the Olin, Mann & ILR Libraries.

-DEPTS.-Deadline for submission is noon on Thursday for following week's Job Opportunities.

-Minimum salaries listed are for recruitment purposes only.

-S=Statutory; E=Endowed

Administrative and Professional

EDITOR I (PC1402) Plantations-S

Produce Plantations Quarterly Magazine & monthly NOTES. Provide editorial support for Plantations Staff.

Req.: BS, journalism or related field. Horticulture bkgnd. strongly pref. Editorial & production exp. req. Exp. w/Microsoft Word & Page Maker req. Able to work w/variety of individuals. Submit resume & writing samples to Esther Smith by 5/13.

ASSOCIATE DIRECTOR OF ADMISSIONS (PA1403) Undergraduate Admissions-E

Provide leadership for Univ.'s recruitment program, school relations & alumni admissions volunteer program in specifically designated markets w/in SE U.S. w/assistance from admissions officers in 7 undergrad. divisions, formulates recruitment strategies. Plan & coord. admissions reg'l. activities.

Req.: BA 3-5 yrs. exp. in progressively responsible admissions positions. Exp. w/quant., market research based recruitment approach. Exc. public speaking & writing abilities. Familiar w/computer & WP applications. essential. Letter & resume to Cynthia Smithbower by 5/13.

HOTEL CONTROLLER (PA1402) Statler Hotel-E

Insures integrity & timeliness of all transaction records & resulting internal & external financial reports info. internal to hotel mgmt. & external to CU. Develop & implement adequate controls for overall funds, inventories & fixed assets of Hotel & Conference Center.

Req.: BS, CPA or MBA pref. Min. 6 yrs. prior exp. w/min. of 3 yrs. supv. responsibility. Prior exp. in hospitality industry beneficial. Letter & resume to Cynthia Smithbower by 5/6.

PLANT OPERATIONS CHIEF (PA1401) Animal Science-S

Management of research animal units, field & farm operations plus assoc. shops & maint. functions. Incl. 3000 acres of land & 50 personnel. Work w/faculty & unit mngts. (dairy, beef, swine, sheep) in planning & budgeting, inventory, construction, maint., etc.

Req.: BS, Animal Sci., some formal trng. in research highly desir. Min. 5 yrs. relevant mgmt. exp. Must have ext. exp., interest & skills in personnel mgmt., be familiar w/& dedicated to animal research, understand budgeting procedures & have a thorough grounding in all phases of crop & animal mgmt. Letter & resume to Cynthia Smithbower by 5/6.

FINANCIAL MANAGER (P1400) Center for Religion, Ethics & Social Policy

Finan. Mgr. for large non-profit. IBM computer literacy & 2 yrs. full-charge bookkeeping. req. Send resume & 3 references (no calls) by 4/18 to CRESF, Anabel Taylor Hall, Ithaca, NY 14853.

AREA SUPV. II (PT4401) Elec. Engr.-E

Mng. gen'l. purpose computer systems w/in School, not under specific control of research or educat'l. labs. Use, maintain & modify computer operating systems. Oversee daily operation of several medium-scale systems.

Req.: BS in comp. engr./computer sci. or equiv. 1-2 yrs. exp. managing computer systems & w/UNIX operating systems. Good comm. skills; exp. w/micro computers desir. Letter & resume to Christa Carsello by 5/6.

APPLICATIONS PROGRAMMER I (PT1205) Nutri'l. Sciences-S

Provide prgrmg., analysis & graphics support for researchers. Develop, mng. & run well-documented analysis, utility & command lang. programs. Plan & construct datasets. Mng. tape libr. & dataset back-up. Support use of stat. analysis & graphics pkgs. Help administer computer acct's. Provide faculty & grad. students w/consulting & instruction on mainframe & microcomputer uses.

Req.: BA w/some research & computer exp. Sci. bkgnd. desir. Demonstrated ability using high-level prgrmg. lang., pref. Fortran. Some knowl. of stat. & stat. pkgs. helpful. Good 1-on-1 comm. & interper. skills. Letter & resume to Christa Carsello by 5/5.

EXECUTIVE STAFF ASST. (PC1304) Computer Science-E

Provide admin./org. support for non-tech. areas of large research project. Grant mgmt. involving interaction w/various industrial & govt. agency reps.

Req.: BS or equiv.; busn. major or courses pref. 3-5 yrs. combined ed. & work exp. in admin. Bkgnd. or interest in reading scientific literature. Superior writing skills. Good interper. skills; able to work independ. Letter & resume to Esther Smith by 4/28.

APPLICATIONS PROGRAMMER / ANALYST (PT1312) Computer Services-E

Maintain, install & develop admin. software in System 36 environ. Perform as "key operator" on System 36. Coord. modifications & enhancements of software w/vendor.

Req.: AAS w/computer related courses or equiv. exp. Some exp. w/IBM System 36 machine architecture, System 36 utilities (e.g., POP, DFU & QRY & prgrmg. using OCL & RPGII pref.). Exp. w/PC's, DOS, IBM mainframes, CMS, MVS, JCL, prgrmg. in NATURAL under the ADABAS DBMS desir. Letter & resume to Christa Carsello by 4/29.

APPLICATIONS PROGRAMMER III (PT1313) University Auditor-E

Design, develop, modify & document specialized application software for audit teams. Applications in both IBM mainframe & Micro-computer environ.

Req.: BA or equiv. w/computer related courses. Knowl. of at least 2 computer lang. such as Natural, Cobol or PL/I; knowl. of VM/CMS, MVS, JCL & familiar w/micro & mini-computer systems req. 3-5 yrs. exp. in large scale IBM environ. Letter & resume to Christa Carsello by 4/29.

Clerical

REGULAR EMPLOYEES Submit employee transfer application, resume & cover. Career counseling interviews available by appt. EXTERNAL APPLICANTS Mail employment application & resume to 160 Day Hall. Interviews conducted at Staffing Services, East Hill Plaza by appt. only. Qualified applicants are contacted after materials are reviewed.

Req.: H.S. dip. or equiv., courses in sec. sci. or related field desir. Familiar w/PC's &/or WP. Heavy typing. Min. Biweekly: \$421.81

RECEPTIONIST, GR17 (C1408) Telecommunications-E

Provide clerical/recept. support for staff, operate Telex equip./Mac PC.

Req.: H.S. dip. or equiv., courses in sec. sci. or related field desir. Familiar w/PC's &/or WP. Heavy typing. Min. Biweekly: \$421.81

SECRETARY, GR17 (C1409) Human Ecology Student Services-S

Serve as primary contact for students & faculty visiting offc. Answer inquiries; make approp. referrals, maintain & distribute info.; act as recept. & sec. for 4 prof. staff members. Assist staff w/offc. program functions; job placement of graduating seniors, new student orientation, services for minority & mature students.

Req.: H.S. dip. or equiv., some college pref. Exp. working in people-oriented environ. Able to handle several tasks simultaneously. Good typing skills, WP exp. an asset, computer capability helpful. Interest in student svcs. essential. Med. typing. Min. Biweekly: \$420.76

SECRETARY, GR18 (C1407) Center of Environmental Research-E

Provide gen'l. sec. support to Dir., Assoc. Dir. & staff of Ecosystems Research Ctr.

Req.: H.S. dip. or equiv. Prior WP exp. necessary. Exp. w/IBM & Mac computers helpful. Accurate typing, good spelling & grammatical skills essential. Heavy typing. Min. Biweekly: \$444.37

SR. RECORDS ASST., GR18 (C1401) Veterinary Library-S

Process interlibrary loan requests & all gift/donation materials (books/serials); provide circulation, directional/info. & other public svcs. assistance to patrons. Organize Sr. Seminars; conduct annual booksales.

Req.: H.S. dip. or equiv. Previous offc. exp. &/or libr. exp. highly desir. Strong interper. & comm. skills. Strong svcs. orientation. Able to org. & accurately perform detailed work essential. Knowl. of RLIN, WP, &/or microcomputers helpful. Med. typing. Min. Biweekly: \$443.13

EDITORIAL ASST., GR18 (C1406) CU Press-E

Assist editor resp. for acquisition of scholarly books in humanities. Type; file; follow-up; some contact w/authors & Press advisers.

Req.: AAS or equiv. Interest in book publishing as possible career. Heavy typing. Min. Biweekly: \$444.37

ADMINISTRATIVE AIDE, GR19 (C1405) Controller's/Accounting-E

Provide sec. support for dept. administrators. Resp. for maintaining supply & equip. inventory; requisitions; purchase orders; assist in data entry; provide receipt. coverage as needed.

Req.: AAS, busn./acctg. or equiv. WP & Micro computer exp. essential. Exc. org., interper. & comm. skills. Familiar w/CU procedures helpful. Med. typing. Min. Biweekly: \$470.80

ADMINISTRATIVE AIDE, GR20 (C1403) JGSM-E

Provide sec. support for Assoc. Dean, Academic Affairs & Dean's Exec. Staff Asst.

Req.: AAS or equiv. Min. 2 yrs. offc. exp. req. Familiar w/higher educ. &/or busn. mgmt. pref. Heavy typing. Min. Biweekly: \$496.80

General Service

REGULAR EMPLOYEES Submit employee transfer application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only. EXTERNAL APPLICANTS Mail employment application to Staffing Services, 160 Day Hall. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed.

Req.: H.S. dip. or equiv. Formal ed., trng. or exp. in law enforcement field pref. Satisfactory completion of basic Univ. Service Officer trng. U.S. citizenship; eyesight 20-40 corrected to 20-20; no record of convictions other than minor traffic infractions. NYS driver's lic.; able to obtain NYS pistol permit within 90 days of employment. Must pass physical exam. Letter & resume to Esther Smith. Min. hourly: \$6.75

CUSTODIAN, SO16 (G1401) Buildings Care-Endowed

Provide gen'l. custodial care of bldgs. & grounds in immediate vicinity of assigned area.

Mon.-Thurs., 6 a.m.-2:30 p.m.; Fri. 6 a.m.-1:30 p.m.

Req.: H.S. dip. or equiv. Able to operate a variety of heavy power equip., lift 50 lbs. & climb an 8 ft. ladder. Basic reading & writing skills. Min. hourly: \$5.49

UNIV. SERVICE OFFICER, GR02 (G1402, G1404) Public Safety

Resp. for prevention & detection of criminal behavior; external & internal patrol of Univ. property within assigned area for fire, safety & crime hazards; enforcement of parking regulations on campus.

Req.: H.S. dip. or equiv. Formal ed., trng. or exp. in law enforcement field pref. Satisfactory completion of basic Univ. Service Officer trng. U.S. citizenship; eyesight 20-40 corrected to 20-20; no record of convictions other than minor traffic infractions. NYS driver's lic.; able to obtain NYS pistol permit within 90 days of employment. Must pass physical exam. Letter & resume to Esther Smith. Min. hourly: \$6.75

Technical

REGULAR EMPLOYEES: Submit employee transfer application, resume & letter. EXTERNAL APPLICANTS: Mail employment application, resume, & list of lab techniques/equip., or computer software/hardware with which you are familiar. Submit letter per position, specify title, dept. & job number. Interviews conducted by appt. only. Qualified applicants are contacted after materials are reviewed. Backgrounds highly desired: biochem., chem., microbio., elect., physics, lic. animal health tech.

Req.: H.S. dip. or equiv. NYS Class IV Driver's lic. 2-5 yrs. related exp. Able to lift 100 lbs. Apply by 4/24. Min. hourly: \$6.06

DAIRY WORKER, SO18 (T1405) Animal Science-S

Milk, feed, treat & care for cows in maternity area; maintain facility. Feed & care for calves & heifers. Service other dairy cattle maint. functions as req. Some weekends & holidays.

Req.: H.S. dip. or equiv. NYS Class IV Driver's lic. 2-5 yrs. related exp. Able to lift 100 lbs. Apply by 4/24. Min. hourly: \$6.06

TECHNICIAN, GR19 (T1406) Food Science-S

Conduct lab procedures req. to assess chem., microbio. & organoleptical quality of raw & processed milk & dry foods. Prepare samples & conduct lab technique demonstrations for Ext. short courses & regular classes.

Req.: AAS in chem., microbio. or related field. Knowl. of tests listed in Standard Methods for the Exam. of Dairy Products, American Public Health Assoc. methods prescribed by the Assoc. of Official Analytical Chemists. Apply by 4/29. Min. Biweekly: \$469.53

TECHNICIAN, GR19 (T0403) Entomology-S

Provide research support studies of pesticide resistance mgmt., incl. lab/field studies on various pests; supv. collect & experimental insect colony maint.; collect data & assist in result summarization & analysis. 1 yr. renewable.

Req.: BS in bio., entomology or genetics; valid NYS driver's lic. 1-2 yrs. trng. in 1 or more of following desir.—insect rearing, experimental design & procedures, stats., computer literacy. Apply ASAP. Min. Biweekly: \$469.53

TECHNICIAN, GR20 (T1209) Physiology-S

Conduct intestinal organ culture experiments designed to assess various aspects of synthesis & function of a Vitamin D induced, intestinal calcium-binding protein using a large scale organ culture technique. Mon.-Thurs., 8-5; Fri., 8-4.

Req.: BS in biochem., phys. or related field. Exp. working in lab. Familiar w/tissue culture & biochem. assays. Min. Biweekly: \$495.35

ACCELERATOR TECH., GR20 (T1302) Nuclear Studies-E

Perform mech. & elec. repair & maint. of accelerator components. Perform elec. wiring, power & control wiring, mech. fabrication incl. machining & welding, vacuum procedures incl. assembly & leak checking. Mon.-Thurs., 7:45-4:15; Fri., 7:45-3:45.

Req.: AAS in mech./elec. field or equiv. comb. of trng. & exp. Some exp. in lab or shop pref. Apply by 4/29. Min. Biweekly: \$496.80

TECHNICIAN, GR20 (T1311) Nuclear Studies-E

Provide basic tech. svcs. & asst. for research staff, incl. chem. prep., prep. of components for furnace treatment, maint. & repair for higher power source. Mon.-Fri., 8-4:30.

Req.: AAS or equiv. comb. of ed. & exp. 1-2 yrs. exp. in research environ.; knowl. of basic research techniques nec. Apply by 4/29. Min. Biweekly: \$496.80

TECHNICIAN, GR21 (T1407) Avian & Aquatic Animal Medicine-Eastport, NY-S

Assist virologist in microbio. lab & implement experiments w/ducks, involving production of duck biologics. Perform serologic, microbio-logic, virus neutralization, potency, efficacy & safety tests. Media prep. Carry out experimental work incl. animal handling, inoculation & blood collection. Maintain records. Lt. typing.

Req.: BS in microbio. or equiv. exp.; MS pref. 1-2 yrs. exp. in microbio. lab pref., plus coursework in biochem. Min. Biweekly: \$526.14

TECHNICIAN, GR21 (T1403) Plant Pathology-S

Conduct projects involving either purification of an enzyme & characterization of a cRNA clone of the enzyme, or sub-cloning of viral RNA clones & determination of nucleotide sequences.

Req.: BS, biochem., chem. or microbio. Protein purification & analysis techniques or sterile microbio. technique, recombinant DNA manipulation or DNA sequencing req. Apply by 4/29. Min. Biweekly: \$526.14

TECHNICIAN, GR21 (T1409) Veterinary Pathology-S

Process incoming electron microscopy samples, incl. semi-thin & thin sectioning of samples; participate in trng. & supv.

Req.: BA, bio. sci. pref. 3-4 yrs. exp. in active electron microscopy lab. Apply by 4/29. Min. Biweekly: \$526.14

TECHNICIAN, GR21 (T1310) Avian & Aquatic Animal Medicine-S

Perform virolog. & immuno. assays in research lab, incl. initiation of primary cell cultures, maint. of cell lines, virus isolations, cell mediated cytotoxicity assays, prepare & purification of interleukins, prep. of media & reagents. Handle & inoculate exp. animals & collect samples. Mon.-Fri., 8-5.

Req.: BS in immunology, microbiology or related field. 2 yrs. exp. in research lab incl. handling of radioisotopes; cell culture & sterile techniques essential. Exp. w/ultracentrifuges, gamma & beta counters, spectrophotometer, electroporator, gel equip., pH meters & microscopes. Apply by 4/29. Min. Biweekly: \$526.14

TECHNICIAN, GR22 (T1401) Veterinary Pathology-S

Independently design & assist in purification & characterization of organ-specific, matrix associated tumor cell adhesion molecules, resp. for organ preference of tumor metastasis. For duration of grant.

Req.: BS req.; MS pref. 1-3 yrs. exp. in lab; affinity & column chromatography, ELISA, gel electrophoresis, protein purification, Western blotting; bkgnd. in hybridoma-monoclonal antibody techniques, HPLC chromatography protein iodination & tissue culture desir. Apply by 5/6. Min. Biweekly: \$554.63

TECHNICIAN, GR22 (T1315) Nutritional Sciences-S

Provide tech. support in sophisticated biochemical & molecular bio. methods; teach routine methods to new grad. students, technicians, & undergrads.; analyze, compute, summarize & interpret data.

Req.: BS in biochem. or related field. 3-4 yrs. exp. w/nucleic acid, recombinant DNA techniques & construction & screening of libraries pref. Apply by 4/29. Min. Biweekly: \$554.63

ANIMAL HEALTH TECH., GR22 (T1309) Vet. Medical Teaching Hospital-S

Monitor critical animals w/in ICU. Supv. ICU Animal Health Techs. Mon.-Fri., 7:30 a.m.-4:30 p.m.

Req.: NYS lic. AHT. Min. 2 yrs. exp. working in a small animal clinic. Pre-employment physical req. Apply by 4/29. Min. Biweekly: \$554.63

Part-Time

MAILROOM ASST., GR16 (C1403) Law School-E

Provide customer svcs. from Mail/Supply Room. Process incoming & outgoing campus & US mail; maintain mailroom machinery; maintain copy machines & supplies; provide inventory control support. Mon.-Fri., 4 hrs/day.

Req.: H.S. dip. or equiv. desir. Prior mail handling exp. necessary. Knowl. of postal regulations & inventory control desir. Customer relations exp. necessary. Lt. typing. Min. full-time equiv.: \$401.78

BUILDING ATTENDANT, GR16 (C1404) Olin Library-E

Perform libr. security functions incl. work at exit & stack control desk; variety of clerical & other duties as assigned. Resp. for opening, closing & making regular bldg. & security tours. Sun.-Thurs., 8:30 p.m. to 12:30 a.m.

Req.: H.S. dip. or equiv. Familiar w/libraries & academic setting desir. Able to work effectively w/variety of people. First aid trng. desir. Lt. typing. Min. full-time equiv.: \$401.78

RESEARCH AIDE, GR19 (C1221) Natural Resources-S

Assist project mgr. & principal investigators of multidisciplinary lake neutralization project w/data mgmt. & analysis. Receive & log project data; key punch & data entry; maintain & insure central data depository validity; prepare reports & data summaries & graphics. 20 hrs./wk.

Req.: AAS in natural resources/aquatic fisheries. Working knowl. & exp. w/IBM & Mac computers. Familiar w/data base mgmt., graphics & comm. software req. Previous exp. in data mgmt. activities & supv. skills highly desir. Med. typing. Letter & resume to Esther Smith. Min. full-time equiv.: \$469.53

Temporary

Experienced & skilled individuals specifically interested in temporary work should mail application to 160 Day Hall.

FIELD ASST. (T1402) Plant Pathology-S

Asst. w/field & lab research efforts on basic bio. of fungal pathogen of gypsy moth & environ. & community interactions of this host/pathogen system. Immediately before & during field season (April-beg. July) work extensively w/field studies. Until 9/31. Occasional weekends.

Req.: BS in bio. sci. pref. Coursework in bio. sci. (entomology & microbio. pref.). Exp. w/bio. sci. pref.; familiar w/field work. Apply by 4/29.

GROUNDKEEPER (T1304) Lab of Ornithology-E

Asst. groundskeeper in gen'l. sanctuary maint. & upkeep. Mow lawns, weed ground, trim & cut trees & bushes; mend fences, rake stones & lay wood chips on trails. Mon.-Thurs., 8-5; Fri., 8-4. Until 9/21/88.

Req.: H.S. dip. or equiv. Valid NYS driver's lic. req. Prior groundswork pref. Able to drive tractor & lawn mowers. Apply by 4/29.

SECRETARY (C1209) Agricultural Economics

Provide sec. support for 2 teaching faculty members. Answer phones; maintain calendars; assist in course mgmt.; coord. teaching assts.; keep class records; collect assignments; record grades; type class work & notes. 2 months.

Req.: H.S. dip. or equiv. Busn. or sec. school desir. Knowl. of IBM PC-XT & Wordperfect. Able to oversee & coord. activities of 10-15 teaching assts. Strong org. & interper. skills. Med. typing. Letter & resume to Laurie Worsell.

ANIMAL HEALTH TECHNICIAN (T1211) Vet. Medical Teaching Hospital

Work as Anesthesia Tech., maintain well stocked, clean environ. Assist w/teaching various anesthesia techniques used in vet. med.

Req.: NYS lic., animal health tech. (or eligible for lic.). 2 yrs. exp. as AHT pref. Apply by 4/22.

SECRETARY (C1204) JGSM

Provide sec. support for Exec. Development Program. Able to work w/executives in a support role. WP (Mass 11) exp. desir. Duties consist of mailing brochures, handling inquiries (written/verbal), med. tying., copying, filing. Some overtime req. F/T from 5/1 to 8/31.

OFFICE ASST. (C1003) Lab of Ornithology

Type manuscripts using Wordperfect. Filing, answer phone, prepare voucher payments & logging in returning valuable slides & transparencies.

Req.: H.S. dip. or equiv. Knowl. of Wordperfect req.; attention to details essential; work independ. Med. typing. Send application to Laurie Worsell, 160 Day Hall.

Academic

ASST. DEAN FOR EXECUTIVE EDUCATION (A1401) School of Hotel Administration

Develop, mkt. & direct major programs for hospitality industry professionals. Engage in strategic planning, financial mgmt., mktg. & human resource mgmt. Reports to Dean, School of Hotel Admin.

Req.: PhD, professional & consulting exp. desir. Extensive admin. & classroom exp. in exec. ed. & some familiarity w/key individuals & institutions in internat'l. hospitality industry. Availability 9/1/88 firm. Salary commensurate w/exp. Respond w/CV & list of references to: Jack J. Clark, Dean, School of Hotel Administration, Statler Hall, Cornell University, Ithaca, NY 14853.

LECTURER OR SR. LECTURER IN STATISTICS (A1402) Agricultural Economics

Send resume, transcripts & 3 letters of reference to Professor William G. Tomek, Chairman, Dept. of Agricultural Economics, 102 Warren Hall

Researchers probe children's views on sex, family

As girls in developing nations grow older, they become more liberal in their attitudes about sex, family and work than boys do, Cornell social scientists report.

This early finding comes from the first survey of childhood views in developing nations, which was conducted to determine why birth rates are not declining faster in many poorer nations.

Social attitudes are more important than condoms, birth control pills or skin implants in limiting family size, according to J. Mayone Stycos, a professor of rural sociology and director of Cornell's International Population Program.

To determine such points as why a child's view on premarital sex changes with passing years, Stycos and his Ph.D. students are asking children in Latin America and Asia to answer nearly 200 questions.

"In Costa Rica, we have learned that boys and girls in the sixth grade generally give the same answers to family-attitude questions, and their replies tend to be rather traditional," Stycos said.

"But moving up in years, females become more liberal in their attitudes while males hardly change at all. We asked, 'What's going on here?' The only difference in school courses was that boys took shop while the girls studied home economics and family life. To girls, teachers were introducing ideas about women's careers, pregnancies and sex roles, while boys were learning how to make a lamp or fix a plug."

Stycos said the research is designed to determine whether early attitudes affect later decisions on pregnancy, marriage, family size and selection of an occupation. The population experts hope to survey the same students every two or three years until they become adults.

"This will enable us to track changing

attitudes in males and females and to determine what experiences or training in school, in the family, in the church or with their peers led them from childhood concepts into adulthood conduct," Stycos said.

First detailed results came from Costa Rica, where the same students were questioned in 1985 and 1987. In Peru, more than 10,000 students have been interviewed once. School dropouts are being interviewed in India, students in Colombia will be questioned this spring and the first China survey will start this summer.

Some questions drew frowns from government bureaucrats:

- Have you had sexual relations?
- If a man demands that his wife be a virgin when they marry, should he be a virgin, too?

• If your boy or girl friend wanted to have sexual relations, what would you do?

Stycos assigns Ph.D. candidates to survey their own country, noting that a native student can be more effective in obtaining government approval and carrying out the survey than a foreigner.

Yu Ping came to the United States from China in 1983 and spent two years at Georgetown University obtaining an M.A. in demographic statistics before starting doctoral studies at Cornell in 1985. Earlier, he was employed as a research assistant in the China Population Information Center in Beijing.

"Culturally, questions on premarital sex were unacceptable to Chinese officials," Yu said. "They feared that students would be corrupted by such questions, and I had a hard time convincing them to approve the pre-test survey I conducted last year."

Persuasiveness and having been employed by a governmental agency won Yu approval last summer to question 165 stu-

dents from the 8th to 12th grades. He returns to China this summer to survey 5,000 students.

In Peru, Carlos Indacochea worked as a newspaper and television journalist and a population research administrator after earning a master's degree in political science at George Washington University. Four years later, he arrived at Cornell for doctoral studies.

"I had difficulties convincing government officials to accept some of the touchy questions," he said. "The Catholic church is conservative and could be a problem, but the government is committed to a strong population program."

Marcela Villarreal graduated in computer engineering and conducted jungle archeology in South America before starting Ph.D. studies five years ago. Villarreal, who will survey her native Colombia this summer, learned in Costa Rica that school children place priority on motherhood.

"I found that school girls had ambitions to study medicine or law, but they did not expect to work after marriage," she said.

Farmer's Market's future site uncertain

The Ithaca Farmers' Market opened its 1988 season on schedule April 16 as the result of the university's last-minute offer of the Kite Hill area for the market.

Plans to provide the market with a site at B Parking Lot for the market through the rest of the season, however, have been virtually abandoned, mainly because of scheduling conflicts and liability, tax and zoning concerns, according to John F. Burness, Cornell's vice president for university relations.

Market officials, who are looking for a

"Fifty-six percent of the girls I questioned saw themselves preparing for a profession and 35 percent wanted to become office workers. But because motherhood is given such an important value, their first wish was to fulfill their roles as mothers. They told me that they wanted to be educated in case their marriage went wrong."

Stycos, the first student to graduate from Princeton University with a major in sociology, has served as a population consultant to the World Health Organization, the Population Council, the International Planned Parenthood Foundation, UNESCO and other international organizations.

Reporting on 4,250 Costa Rican secondary school students and 589 primary students, Stycos said: "Nearly all the secondary students, and even two-thirds of the sixth graders, know girls who have had premarital pregnancies. The attitude toward out-of-wedlock births is rather casual. Only 44 percent said they would be very unhappy to have a child when unmarried. Only one-third said they would be disgraced."

—Albert E. Kaff

CALENDAR

continued from page 5

Pharmacology

"Molecular Aspects of Adenosine Receptors," Dr. Gary Stiles, Medicine, Duke University Medical Center, April 25, 4:30 p.m., G3 Vet Research Tower.

Plant Biology

"Dynamics of pO₂ in Nitrogen Fixing Pea Root Nodules," Jon Monroe, Boyce Thompson Institute, April 22, 11:15 a.m., 404 Plant Science.

Plant Breeding and Biometry

"The Association of Trichome Characters and Agronomic Traits in *S. tuberosum* x *S. berthaultii* Hybrid Populations," Julio Kalazich, Plant Breeding and Biometry, April 26, 12:20 p.m., 135 Emerson Hall.

Plant Pathology

"Stability of Expression of Resistance and Aggressiveness in the Late Blight Pathosystem," Jodi Parker, Cornell, April 26, 4:30 p.m., 404 Plant Science.

Pomology

"Regeneration from grape Tissues and Transformation Attempts with *Agrobacterium tumefaciens* Ti Plasmid Vectors," April 25, 11:15 a.m., 404 Plant Science.

Poultry Biology

"Zinc Induced-Pancreatic Insufficiency and its Consequences in the Chick," Junxuan Lu, Poultry and Avian Sciences, April 28, 4:30 p.m., 300 Rice Hall.

Psychology

To be announced, Timothy DeVoogd, Psychology, Cornell, April 22, 3:30 p.m., 202 Uris Hall.

Remote Sensing

"Natural Resource Modeling with a Geographic Information System," Kevin M. Johnston, Prime Computer, Inc., Natick, MA, co-sponsored by Civil & Environmental Engineering and CLEARS, April 27, 4:30 p.m., 110 Hollister Hall.

Romance Studies

"Issues of Identity in the Romance Literature," organized by graduate students, April 21, 3:45-6 p.m. and 8 p.m.; April 22, 2-4 p.m., 4 p.m., and 8-10 p.m., April 23, 10

a.m.-noon, 1:30-3:30 p.m. and 4-6 p.m., A. D. White House. For further information call 255-8222.

Stability, Transition and Turbulence

"Dynamics of Accelerated Density Interfaces," Jeffrey W. Jacobs, California Institute of Technology, April 26, 1 p.m., 282 Gruman Hall.

Statistics

"Testing and Interval Estimation in a Changepoint Model Allowing at Most One Change," Xiru Chen, Mathematics and Statistics, University of Pittsburgh, April 27, 100 Caldwell Hall.

Textiles and Apparel

"Marketing Strategies," Beverly Wotherpoon, BASF Corp., April 26, 12:20 p.m., 317 Martha Van Rensselaer Hall.

Vegetable Crops

"Photoperiod and Temperature Effects on Rate of Node Development of Five Indeterminant Bean Geotypes, Kenneth Yourstone, grad student, Plant Breeding, April 21, 4:30 p.m., 404 Plant Science.

"Analysis of Interaction in Two-Way Data Sets," Richard Zobel and Hugh Gaugh, Plant Breeding & Biometry and Agronomy, April 28, 4:30 p.m., 404 Plant Science.

THEATRE

Theatre Arts

"Scapin," Moliere's classic farce, April 21, 22, 23, 28, 29 30 and May 5, 6, 7 at 8 p.m.; April 24 and May 1 matinee at 2:30 p.m., Willard Straight Hall Theatre. Tickets are \$5.50, \$4.50 for students and senior citizens, and can be purchased at the box office or by calling 255-5165.

Cornell Savoyards

"Patience," a Gilbert and Sullivan comic operetta, April 22, 23, 29 and 30 at 8:15 p.m.; April 24 and May 1 at 2 p.m., James Law Auditorium, Veterinary School. Tickets may be purchased at Willard Straight box office, or by calling 255-7263.

MISC

Protestant Cooperative Ministry

"Listening to the Stories of Vietnam Veterans," an opportunity to learn about the experiences of people in the Vietnam War, April 22, dinner at 5:30 p.m. (\$2 donation); program 6:15-7:30 p.m., 401 Thurston Avenue. For more information, call 255-4224.

Beebe Lake 150th Birthday Party

Natural history works, talks, tours, musical entertainment, good food, kite flying, kayak demonstrations, "Run for Fun" race, puppet show for the kids, with President Frank H.T. Rhodes, Mayor John Gutenberger, Centennial Commissioner Bob Kane, and a floating birthday cake, May 1, 1 p.m. to 6 p.m. For more information call 255-8722 or 255-8734.

Black America Conference

The 11th Annual State of Black America Conference, "Fulfilling the Pan-African Promise," April 22-24. For more events and information call Tanya Douglass, 255-4922. Friday's talks will include "Culture, Struggle and a Challenge of History," Maulana Karenga, 5 p.m., 1st Floor Lounge, Robert Purcell Union; "Pan-Africanism and Its Implications," Na'im Akbar, 7:45 p.m., Multi-Purpose Room, Robert Purcell Union.

Saturday's events will include "Religious Aspects of Pan-Africanism," Yosef ben-Jochannan and Father Elawrence Loucas, 10 a.m., lounge, Robert Purcell Union; "Black Male and Female Relationships," Vivian Gordon, noon, Wendy Purcell Lounge, Robert Purcell Union; "AIDS: Impact on the African Community," Carol McIntosh, 3 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall; "African Presence in the U.S.," John Henrik Clarke, 5 p.m., Hollis E. Cornell Auditorium, Goldwin Smith Hall. Sunday's event will be "Student Networking," Lisa Williamson, noon to 2 p.m., Ujamaa main lounge.

Cycling

Deadline on entries is April 27 at 5 p.m., in front of Willard Straight Hall. This is not an intramural event. Entry fee of \$10 is due with roster to enter before the deadline.

Checks payable to Phi Psi 500, or cash. One person constitutes a team.

Intramural Fencing

Deadline on entries is April 25 at 4 p.m., in the Intramural Office, Helen Newman Hall. Tournament will be held in the Helen Newman gymnasium, April 30, 10 a.m.-2 p.m. One person will constitute a team. Each person must have at least one semester of training to enter. Entry fee of \$3 due with roster before deadline.

Hebrew Speaking Club

Hebrew Speaking Club meets Tuesdays, 8:15-9:30 p.m., G-34 Anabel Taylor Hall.

Hillel

Topics in Jewish Thought and History meets Tuesdays at 8:15 p.m. in 314 Anabel Taylor Hall.

Women's discussion group meets Wednesdays at 7:30 p.m. in 314 Anabel Taylor Hall.

Law Library Book Sale

The Law Library will hold a book sale April 22, 9 a.m. to 4 p.m., in the Seminar Room III, Myron Taylor Hall. The sale will include case books, hornbooks, books on legal writing, as well as other titles of interest to students of government, family, corporation, criminal and contract law.

Palestinian Human Rights Committee (PHRC)

Weekly meetings every Friday at 5:30 p.m. in Willard Straight Hall, Loft II. This multinational group directs attention to the Palestinians and organizes social and cultural events in the aid of the Palestinian cause.

Willard Straight Hall Art Gallery

A Potshop/Darkroom Show and Sale, April 25-29, Monday, 5 p.m.-7 p.m.; Tuesday, 11 a.m.-8 p.m.; Wednesday-Friday, 11 a.m.-6 p.m., sponsored by the Arts Project.

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., 174 Rockefeller Hall; Sunday-Thursday, 10 p.m.-midnight, 340 Goldwin Smith; Sunday-Thursday, 7-10 p.m., Clara Dickson Macintosh Computer Room; and Sunday-Thursday, 7-10 p.m. McFadden Hall Computer Room.

SPORTS

Friday, 4/22

Men's Baseball, at Binghamton (2 games), 1 p.m.
Men's Tennis, at Princeton, 2 p.m.

Saturday, 4/23

Men's Lightweight Crew, Geiger Cup at Columbia w/MIT
Men's Heavyweight Crew, Goes Cup at Navy w/Syracuse
Women's Crew, Brown, 10 a.m.
Women's Lacrosse, Princeton, 10 a.m.
Men's Baseball, at Princeton (2 games), noon
Men's Lacrosse, Dartmouth, 12:30 p.m.
Men's Tennis, at Navy, 1 p.m.
Men's Track, Penn, 4 p.m.
Women's Tennis, Princeton, 4 p.m.
Women's Track, Penn, 4 p.m.
Men's Polo, Cape Cod, 8:15 p.m.

Friday-Saturday, 4/22-4/23

Men's Golf at Allegheny Invitational

Sunday, 4/24

Men's Lightweight Crew, at Yale, 11 a.m.
Women's Crew, Ithaca College, 1 p.m.
Women's Lacrosse, Bucknell, 1 p.m.

Tuesday, 4/26

Men's Baseball, Canisius (2 games), 1:30 p.m.
Men's Tennis, Colgate, 4 p.m.
Women's Lacrosse, at Cortland, 3 p.m.

Wednesday, 4/27

Men's Lacrosse, Hobart, 3 p.m.

Thursday-Friday, 4/28-4/30

Men's Track, at Penn Relays
Women's Track, at Penn Relays

Last week's scores

[X-Y] Overall record to date

Men's Baseball [11-18], EIBL 3-5

Army 4, Cornell 1
Army 5, Cornell 3
Cornell 8, Ithaca College 4
Ithaca College 9, Cornell 6
Penn 4, Cornell 3
Penn 8, Cornell 5
Navy 7, Cornell 6
Cornell 8, Navy 6

Men's Lightweight Crew [1-4]

Princeton 625.2
Rutgers 628.5
Cornell 634.6
Navy 646.0

Men's Heavyweight Crew [0-2]

Yale 537.3, Cornell 543.1
Rutgers 553.0, Cornell 556.3

Women's Crew [3-3]

Cornell 705.4
Pennsylvania 709.8
Rutgers 724.4

Men's Golf

6th at the Ivy Championships

Women's Lacrosse [3-5], Ivy 1-4

Dartmouth 9, Cornell 2
Harvard 14, Cornell 2

Men's Tennis [8-7], EITA 1-4

Cornell 9, Binghamton 0
Cornell 7, Army 2

Men's Track [4-1]

Cornell 118, Penn 54

Women's Track [2-2]

Pennsylvania 86, Cornell 59

Veterinarian endows new chair for studying wild animals

What is believed to be the first endowed professorship in wildlife medicine in the United States has been established here by a gift from an internationally known whale doctor.

"We need to know much more about the care and management — the nutrition and breeding, the environment and medical needs — of wild animals, including birds," said veterinarian Dr. Jay Hyman of Pearl River, N.Y., in explaining why he endowed the Jay Hyman Professorship in Wildlife Medicine at the College of Veterinary Medicine.

"Learning more about the health of wild birds and animals will enable us to do a better job of sustaining all the species that live on the globe," said Dr. Robert D. Phemister, dean of the College of Veterinary Medicine. "Veterinarians have a special responsibility for the comparative aspects of medicine — the way diseases behave in different species. What we learn about diseases of wild animals can be applied to other species as well."

When Hyman earned the D.V.M. degree from Cornell in 1957, the traditional education focused on veterinarians' most likely patients: farm animals and household pets. He opened and successfully operated a small-animal veterinary practice in New York City for several years, treating thousands of cats, dogs and domesticated birds. And he offered the best care he could for pet snakes, ocelots, kinkajous and the occasional mongoose.

Though Hyman's interest shifted to animals in their natural habitat, and he learned marine biology "on the job" at the New York Aquarium, beginning to specialize in whales and porpoises. In 1968, he became one of the first veterinarians to devote his full time to the care and study of whales. He took his veterinary skills wherever marine mammals were injured, sick or stranded.

The Hyman Professorship will be devoted to research and teaching about wild animals and birds of all kinds. Except for those working with zoos and public aquariums, most veterinarians will not make a full-time career with wild animals, according to Phemister. Instead, graduates of the Cornell veterinary college will be better equipped to treat the occasional wild animals — "from eagles to skunks," as Hyman puts it — that they see as part of their more routine practices.

Research is needed for the many unanswered questions about wild birds and animals in captivity and those on the verge of extinction, Hyman said. He pointed to a mystery in the care of orcas, the large dolphins known as killer whales, whose magnificent dorsal fins "flop over" when males are kept in captivity. "Something is missing, perhaps some trace mineral or vitamin in their natural diet, that we don't know enough to provide."

Wildlife medicine research is the key to reintroducing nearly extinct animals in their natural environment, Hyman said. Maintaining the last remaining stock of an endangered animal in captivity is difficult enough, he said. But those efforts will be of little use if veterinarians don't know when the animals — or their environments — are ready for their return.

Hyman advises veterinary students that it is possible to make a living in wildlife medicine, "although it's not the most financially rewarding field." (He is endowing the Cornell professorship with proceeds from his successful real estate management business.) The directors of many of the world's greatest zoos began their careers as veterinarians specializing in wildlife medicine, he notes, and field research in wildlife medicine has its own rewards. "You do what you enjoy doing in life, and hopefully you will also make a living at it."

— Roger Segelken

Cornell to help educate youth statewide in sportfishing and aquatic resources

A new two-and-a-half-year pilot program to educate the youth of New York State in the state's diverse sportfishing and aquatic resources will draw heavily on expertise at Cornell.

The program was announced earlier this month by Department of Environmental Conservation Commissioner Thomas C. Jorling and Dean David L. Call of the College of Agriculture and Life Sciences.

Jorling said, "Youth, as the decision makers of the future, need accurate information to aid them in making decisions about issues relating to our aquatic ecosystems." The program also will "impress upon them the value of our aquatic resources," he added.

Call said the program provides another opportunity for those "dedicated to sportfishing and related aquatic sciences to work with youth and adults and to share their knowledge and skills."

The DEC's Division of Fish and Wildlife and the Cornell Cooperative Extension 4-H Natural Resources Program will coordinate the project.

DEC will invest \$134,000 of its share of Federal Sportfish Restoration funds in the pilot program. The funds are generated from excise taxes on fishing tackle and from federal marine fuel taxes. Cornell 4-H will match the federal funds with personnel services and money.

Thirty volunteer instructors will be trained annually and expected to reach approximately 12,000 youngsters over two years. Training sessions will be held this fall and in the spring and fall of 1989.

In addition, the DEC's existing conservation educational program, Project WILD, will train 30 of its facilitators to teach 750 teachers. Over the course of two years, these teachers are expected to reach more than 18,000 school children.

News from . . . Human Resources

• **"Your Personal Summary of Benefits"** — a personalized confidential summary of the benefits in which each employee is enrolled — is scheduled to be mailed to the home address of all regular full- and part-time employees within the next few weeks. Employees are requested to watch for this important document and file it with other important Cornell employee information for future reference.

• **Endowed health care participants:** New Aetna identification card should have arrived at the home mailing address of all participants. Call Employee Benefits 5-6886 if the cards have not arrived. The new health care program with Options I and II took effect April 1; revised biweekly deductions will be reflected in the exempt paychecks of April 21 and the nonexempt paychecks of April 28.

• **CCTS applications due:** Deadlines for submission of Children's Tuition Scholarship for this summer and the next academic year are: Summer session, May 15; academic year '88-89, June 1; fall term only, June 1; winter-spring term, Dec. 1.

Employees now receiving CCTS should have received an application. Others who need to apply for CCTS should request and application from the Office of Human Resources (OHR), 130 Day Hall, or call Adele Feirstein at 5-7509.

Employee Benefits will sponsor a CCTS information session today from noon to 1:30 p.m., in the ILR Conference Center, Room 300.

• **The 33rd annual service award banquet** will be held on June 7 in Barton Hall to honor employees who have been with the university for 25 or more years. Invitations will be mailed the last week of April.

Faculty *continued from page 1*

would move toward a closer approximation of the current availability of minority scholars nationwide.

But comparative literature Associate Professor Walter I. Cohen, co-author of a report that prompted the current discussions, said Relihan's proposed wording "won't significantly increase the number of minorities at Cornell."

"The language you use is the language we have at present, and it's gotten us nowhere," Relihan was told by human development and family studies Associate Professor Lee C. Lee, director of the Asian American Studies Program. And human service studies Associate Professor Lloyd Street asked his colleagues, "Should we run a little bit of [legal] risk to achieve our goals?"

But President Frank H.T. Rhodes said, "This is too important a program to have illegal means to achieve legal and worthy ends."

Bugliari said that, despite the postponement, he feels there was "a general overall agreement with the sense of the committee's recommendations. I am confi-

dent that the committee can come up with revised language that preserves its goals and meets the objections raised by the University Counsel's Office before the May meeting." He noted that only three of the committee's 12 recommendations are at issue and that "any changes in two of these three recommendations would seem minimal."

The seven-member Minority Education Committee — whose chairman is Associate Professor Robert L. Harris Jr., director of the Africana Studies and Research Center — was asked by the FCR last November to study and make recommendations based on a report released one year ago by Cohen and the W.E.B. DuBois Professor of Literature, Henry Louis Gates Jr.

The Cohen-Gates report, "The Crisis of Minority Faculty at Cornell," called for one-fourth of Cornell's faculty positions to be held by minorities within 30 years, with 90 of the up to 350 faculty vacancies anticipated over the next five years being filled by minorities. Eventually, Cornell's faculty composition should reflect the ethnic composition of the U.S. population, Cohen and

Gates suggested. In his comments, Relihan said that the law requires goals to be set with reference to the pool of applicants qualified for a position rather than the population at large.

In other business, the FCR:

• Approved a slate of candidates for spring elections to the Board of Trustees, University Assembly and faculty committees.

• Approved the Cornell University Copyright Policy and recommended the policy to the Board of Trustees for its approval.

The new policy covers computer software as well as textbooks, and may be the first written policy at any university that does not seek a financial share for the institution of all software copyrighted by faculty members, said agricultural engineering professor and Board of Trustees member J. Robert Cooke, who has been involved in the years of effort to formulate the policy.

The policy states that copyright ownership of all work shall vest in the author except in a number of specific situations:

• Copyright of material developed in

sponsored research or an agreement in which the university is a party "shall be determined in accordance with the terms of the sponsored research or other agreement."

• "Copyright ownership of material that is developed with the extraordinary use of university resources, funds, space or facilities shall reside in the university."

• "Authors shall grant a royalty-free license to the university to use any copyrighted materials developed with substantial university support."

• "The copyright of material that is prepared by a non-academic employee within the scope of his or her employment or by academic personnel pursuant to a specific written commission from the university or from a unit of the university shall be the property of the university."

• "Any works created by students within the scope of an employment relationship with the university . . . shall be subject to the provisions of this policy."

• "For material that is both patentable and copyrightable, the patent policy of the university shall govern ownership of intellectual property rights in the work."

Networking

A Cornell Newsletter Published by Employees for Employees

Volume 9, Number 3

Thursday, April 21, 1988

Commencement Ushers Agree: They Share in a Very Special Day 1988 Volunteers Asked to Return Coupon on Page 3 Now

As a member of the Cornell community, you are invited to be a commencement usher on Sunday, May 29 and contribute to the success of a very special day for Cornell and a very special day for more than 5,000 graduates and 28,000 guests.

To volunteer to be an usher, fill in the coupon on page 3 and return it via campus mail to the Commencement Office, B-25 Day Hall.

Commencement is now the largest single university event and each year the responsibilities of the ushers has been expanded. Due to these expanded

responsibilities, 350 ushers are again being recruited, four times the number assigned for the 1980 commencement.

Responsibilities of ushers vary. Schoellkopf ushers provide support in the direction and crowd control of guests at Schoellkopf; procession ushers assist in lining up graduates and proceeding with them from the Arts Quad to the stadium; graduate seating ushers assist in seating graduates and faculty on the field; mobility impaired section ushers provide support for the seating and care of mobility impaired visitors, primarily in the mobility impaired seating section of the stadium;

and other ushers are assigned special tasks as needed.

A rehearsal of all ushers will be held at Schoellkopf Field the week before commencement. On commencement day, ushers are asked to check in between 8:30 a.m. - 9:30 a.m. and should be at their assigned posts by 10:00 a.m. Ushers will assist until the ceremonies are over and the crowd has dispersed, usually by 2:00 p.m.

All employees who volunteer to work during the university's commencement exercises will be granted compensatory time-off equivalent to their standard

work-day. This compensatory time-off must be used by December 31, 1988.

In addition, volunteers are provided with doughnuts, bagels, coffee, and soft drinks on commencement day. All volunteers are also invited to a reception at President Rhodes home and are given a commencement commemorative mug.

This year, why not consider being a part of one of Cornell's most important and exciting events? If you are a veteran usher and planning to return, please ask a fellow worker to join the ranks. It's a very worthwhile endeavor and lots of fun. Below are some comments from repeat volunteers.



Glenn Deadmond
Athletics Department

"I like to be an usher because I know so many of the seniors that are graduating. It is a joyous occasion for them coming through here with their families, and it feels good to be part of their excitement."



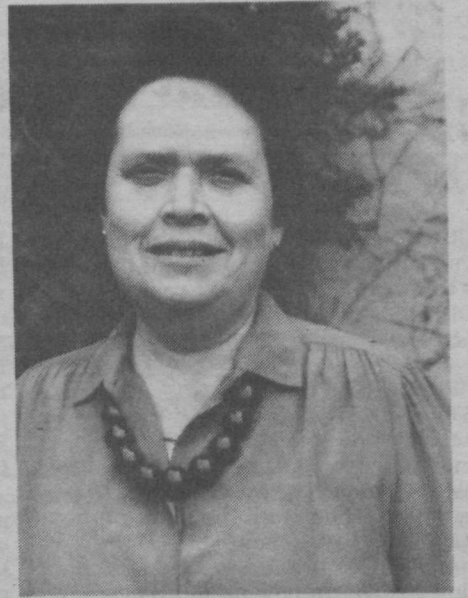
Debbie Schmutz
Office of VP—Academic Programs

"I first volunteered to be an usher because I heard it was fun and exciting - and it is. I enjoy the atmosphere. It brings back memories of my own graduation. This is the end result. The students and parents are so proud. The day makes you realize what Cornell is really about."



Ronald Stone
Development

Being an usher gives me a chance to be involved in a very small way with the educational process on a very important day. Commencement is always held on a lovely sunny Sunday morning in early summer and it's just pleasant to be there. I get a chance to meet a lot of nice people and help make this day a very nice occasion for a lot of students and their families. It's like a party -- and I've always liked parties.

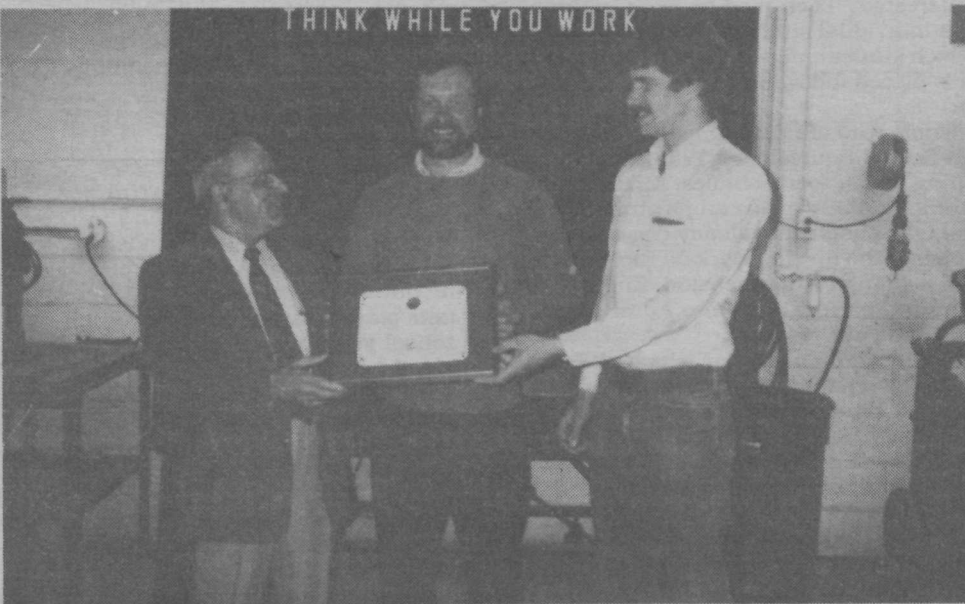


Rita Boothroyd
Cash Management Office

"I've worked at commencement for ten years because I enjoy working with the people and the excitement of the day. I am a local Ithacan, born and raised here. At commencement I get to meet people I haven't seen in years. I also get to talk directly with the families in the mobility-impaired area and be a part of the program. In the cashier's office we deal with students every day. On this day I have the chance to see the culmination of four year's work."

Continued on page 3

Tending to Our Green Acres: Ken Kahl Completes Course



Ken Kahl receives certificate from employee-elected George Peter and newly elected trustee Dwight Widger.

By Louise Adie

Some people walk on well-trodden paths, like hundreds before them, without giving much thought to the paths' origin or its purpose. Others - like Ken Kahl of the Grounds Department - are out there cutting new paths of understanding

and knowledge through a dense forest of information.

Ken has recently completed an intensive and demanding two-week training course in turfgrass management, given

Continued on page 3

Happy 9th Birthday, Networking

By George Peter

The 9th birthday of Networking just came and went with little or no fanfare. Too bad! But, March was a busy month. Birthdays are times for reflection, meditation and projection -- where we came from, where and what we are and where we should be going.

Networking was born from a need to provide improved communication in multi-directions. Based on the full potential of such a publication as Networking, its success has been limited. Nevertheless, it continues to be an extremely vital medium to serve the community.

Networking was an employee-initiated program. Hence, it became an employee newspaper. But even at that time we had a concern that it might be viewed as one more mechanism to segregate the constituencies and thus serve as a barrier to communications across constituency lines. No community needs added barriers to communication. Over the years efforts have been made to enlist student and faculty involvement. This may be the



appropriate time to pursue a more aggressive campaign to woo contributions from these sources. After all, there is as much need for communication between constituencies as there is within the employee group.

The total community would benefit from reports by student and faculty elected trustees. We have always solicited reports from the Office of Equal Opportunity, from the Dean of Students Office and from every office or department that had something to say to the community. We'd welcome your thoughts on this. Please send your comments to Networking Unclassifieds, Humphreys Service Building.

Brown Bag Luncheon - April 26

Celebration of the Week of the Child

The Employee Assembly Committee on Child Care will sponsor its final brown bag lunch seminar celebrating the Week of the Young Child on Tuesday, April 26 at 12 noon in the Edwards Room of Anabel Taylor Hall. Representatives from the Office of Human Resources will offer a discussion on Cornell policies and benefits as they relate to parenting. Issues to be discussed will include flextime, job sharing, leaves of absence, select benefits and health insurance. After their presentation, Luran Jacoby, employee relations specialist and Bonnie Clark, benefits specialist, will be available to answer any questions the audience might have.

If anyone is interested in actively working on issues as they relate to work and family, the Child Care Committee meets the second and fourth Wednesday of each month at noon. For specific information and meeting locations, contact co-chairs Marianne Marsh, 5-6799 or Theresa VanderHorn, 5-7504.



Center Stage with the Department of Theatre Arts

Theatre in the Workplace: Mutual Benefits of Networking

The opportunity to collaborate with employees from other disciplines is an exciting feature of working at Cornell. One example of the mutual benefits of networking takes place each month when new Child Protective Service (CPS) workers come to Ithaca from throughout New York State for in-service training.

The Child Protective Service Training Institute is a program of Human Ecology's Family Life Development Center (FLDC). Its purpose is to train new CPS workers for the job of responding to allegations of child maltreatment reported through the NYS Hotline.

One morning of the week long session is focused on bridging the gap between theory and practice by giving the CPS trainees a chance to practice client interviewing.

With Theatre Cornell Outreach (TCO) actors in the roles of children and parents, the workers can practice interviewing in the safety of a protected setting. Workers seek to verify the safety of the child and to establish a relationship with the family, so as to be able to provide needed assistance. Actors respond improvisationally to questions, reflecting both affect and content. The scenarios, which provide the framework for these interviews are based on actual CPS cases, but, unlike actual interviews, workers can ask for help from colleagues and CPSTI staff. After the interview they can sort out what happened and receive feedback from observers.

Over 1,000 CPS workers have participated in this program since 1984. According to CPSTI trainer Karen Snyder, "Involving Theatre Cornell Outreach actors has made the interviewing section, which is crucial for new workers, come alive in terms of actual learning experience. The overall response has been consistently positive."

Trainer MaryLu McPherson remarked, "The workers begin the training with an apprehension of 'role playing' and exit feeling that the interviewing component was the highlight of the week. The comment 'I am glad to have had this experience' has been reiterated in both written evaluations and feedback sessions at the end of the week."

From the point of view of Elizabeth De-

ment, an undergraduate student actor, "Participating in the CPS training is a good exercise in improvisation and in thinking on one's feet, which is very different than working from a script. It applies theatre in a real helping relationship. I always feel that I've done something helpful afterwards."

Through the process of playing these deeply emotional characters, actors learn about child development and crisis intervention and develop a comprehension of the workings of the child welfare system.

Undergraduate, resident professional and community actors come away from each CPSTI experience with an increased understanding of human nature. New CPS workers increase skills and confidence needed to communicate with troubled parents and children. And Theatre Cornell Outreach and the Family Life Development Center staff gain respect for the concept of enriching each other's work through collaboration.

For more information about the use of theatre as a training resource, contact TCO Director Janet Salmons-Rue at 5-2787.

CRC Update Beebe Lake Celebration, Vernon Downs and Annual Summer Picnic Planned

CIRCUS: Unfortunately, we did not have enough response to attend the circus this year -- maybe next year.

DEEP SEA FISHING: We have postponed the deep sea fishing trip until this fall -- stay tuned.

UPCOMING EVENTS: STEAK DINNER DANCE: April 30. The tickets are now available for the steak dinner dance on Saturday, April 30 at the VFW in Dryden. The price will be \$10 per person, which includes the steak dinner and dancing to the band "Sophisticated Country." This is a fund raiser for our park -- so sign up now for a fun evening while helping out the club!

BEEBE LAKE CELEBRATION: May 1. Come and help us celebrate the 150th year celebration of Beebe Lake. We will have a booth set up to sell hot dogs, ham-

burgers and hot sausages. Call the CRC Office if you would like to help in any way.

HAWAII IN PITTSBURGH: May 21-23. There is still space left on the trip to Pittsburgh in May. A \$75 deposit is required by April 18. This trip sound like a lot of fun -- please join! Call the CRC Office, 5-7565, today to reserve your space for a fun Hawaiian weekend.

VERNON DOWNS: May 21. CRC is planning a trip to Vernon Downs this year on May 21. The price will be \$27 per person for members, \$5 additional for non-members. This price includes transportation, entrance to the Club House, the "Miracle Mile Buffet," tax and tip. Why not get a group of friends together and enjoy an evening at the races?

CRC ANNUAL SUMMER PICNIC: June

18. The Board is hopeful that CRC can have its first picnic at CRC's new park site. There is still work to be completed before this can happen. If we have a rainy spring, this may not be possible, in which case the picnic will be held at Helen Newman grounds. (If you would like to help on work parties at the site, please contact the CRC Office.) Tickets for the picnic will be available in May.

ELECTIONS: Three seats will be vacant on the CRC Board of Directors this

summer. If you are interested in serving on the Board, please contact the CRC Office at 5-7565. Elections will be held in June.

GERMAN ALPS FESTIVAL: July 9. A full day of German music and entertainment at Hunter Mountain. The \$20 price includes transportation and admission. For more information, contact the CRC Office.

YANKEE OLD TIMERS GAME: July 16. More details to follow.

Unique Version of Moliere Classic Opens Tonight

A new and unusual version of Moliere's classic farce opens tonight at the Willard Straight Theatre.

Stephen Kenee, guest director for the Theatre Cornell production, has updated the production and has allowed the cast to "freely adapt" the script. Many of the performers will improvise the dialog and action onstage. Add the backdrop of lavish sets by Jill Moon, lighting by Patrick Gill, costumes by Patricia Martin and sound (including Reggae music and cartoon theme songs) and original music by Michael S. Roth, and you have what promises to be a very enjoyable and interesting evening of theatre.

Performances of SCAPIN run through May 7 and tickets are on sale now. Tickets are \$5.50 for Cornell employees and



\$4.50 for students and senior citizens. Call 5-5165.

Tax Laws Changed

Any employee who is registering for an extramural or summer session course that is a graduate level (500 or above) and does not serve to maintain or improve job skills please see Training and Development Representative, 107 Day Hall, before registering.

Focus on the Employee Assembly

The Employee Assembly needs YOU! There were more vacancies this year than candidates, and that is why an election was not held. Currently the Employee Assembly is comprised of the following employees:

- Kim Arcangeli (New) - Statutory, Non-exempt - 1990
- Cleo Bash (New) - Endowed, Exempt - 1990
- Alberta Callihan (New) - Statutory, At-Large - 1990
- Sue Dwyer (New) - Geneva, At-Large - 1990
- Mick Ellis (Continuing) - Endowed, Exempt - 1989
- William Genter (Continuing) - En-

- dowed, At-Large - 1990
- Joan Heffernan (Continuing) - Statutory, Nonexempt - 1989
- Kevin Sharp (New) - Endowed, Nonexempt - 1990
- Donna Vose (Continuing) - Endowed, Nonexempt - 1990
- There are four seats that still need to be filled:
- (1) - Endowed, Nonexempt - 1 year
- (2) - Statutory, Exempt - 1 year
- (1) - Statutory, Nonexempt - 1 year
- The Employee Assembly meetings are held the first and third Wednesday of the month. Everyone is welcome to attend. If you are interested, please call the Assemblies Office TODAY at 5-3715. For a more effective government - YOU are the key.

Educate, Don't Vegetate! Information from Your Employee Assembly Subcommittee

Is the lack of a high school diploma preventing you from advancing in your present job, or from just plain "feeling good" about yourself? It doesn't have to be that way if you are willing to exert a little effort to take advantage of the free classes offered through BOCES at home or at a convenient location close to your home.

Interested? Then read on. An individual study plan is designed for each student, depending on how he or she is placed following a short reading test.

People who are ready to study for the High School Equivalency Test (HSE) (writing skills, social studies, science, reading, mathematics) can go straight into high school equivalency classes.

Those who need to work on their basic skills (reading comprehension, English grammar, math) will go into Adult Basic Education (ABE) classes.

See the listing below for which classes are offered where and when.

GRASP Home Study Program is a home study HSE program for adults unable to attend scheduled classes because of transportation problems, family responsibilities, work schedules, or other difficulties. On a regular schedule, students are sent study packets which contain assignments covering the five areas on the HSE exam: writing skills, reading, science, social studies, and math. The student then drops off the completed packet at a convenient prearranged location; there is no set limit to the length of time it should take a student to get ready for the HSE exam.

- Class Locations
- Greater Ithaca Activities Center, Ithaca
- Class
- Basic Reading - for adults who want

help with reading.

Adult basic Education - these classes concentrate on developing basic skills in reading, math and language arts.

High School Equivalency Test Preparation - HSE classes prepare students for the GED exam.

South Seneca High School, Ovid Adult Basic Education High School Equivalency Classes Groton High School (Tel. 898-5801) Classes to be scheduled depending upon interest

Candor High School (Tel. 659-3195) Adult Basic Education High School Equivalency Classes

The above programs can take in new students every week throughout the school year and prospective students should contact the site of their preference to find out when registration and pretesting take place. Classes are held during the school year from September through June, but newcomers are welcome to join classes at any time. There is a limited summer session. The GRASP Home Study Program has monthly orientation and intake at the Greater Ithaca Activities Center.

Registration for HSE classes does not register students for the actual GED exam. However, there are test applications and pertinent information at all class locations or at BOCES.

The next HSE test (GED exam) in Ithaca is split over June 17 and 18. Test applications are due at the test center one month before the test date. For information on alternative test sites and exam dates and times, contact BOCES at 257-1551, ext 212.

Resume your education now with a simple phone call to the BOCES Adult Education offices at 257-1551, ext 212, 218, or 232.



Chemicals in Tobacco Smoke: Deadly Poisons and Carcinogens

Tar, Nicotine, Ammonia, Formaldehyde, Benzo Pyrene, Arsenic, Cyanide
Chemical Makeup of Tobacco and Tobacco Smoke:

Tar - A dark brownish-black substance obtained by destructive distillation of organic materials (as wood, coal or peat), source of many chemical substances contained in tobacco smoke; a result of combustion.

Nicotine - A deadly poison found in tobacco leaves and responsible for some of the harmful effects of smoking.

Ammonia - A chemical used in manufacturing fertilizer and explosives; used as a cleaning fluid; component of smelling salts; is irritating to nasal passages and harmful to the body.

Formaldehyde - A powerful gas sometimes used as a disinfectant; used in some solutions as a preservative; a color-

less poison; has also been used as a surgical and general antiseptic.

Benzo Pyrene - A carcinogen (cancer-causing agent).

Arsenic - An extremely poisonous element; used in weed killer and insecticide.

Cyanide - One of the most common deadly poisons known; can cause severe respiratory problems; hydrogen cyanide used in fumigating.

Smoke from the common cigarette has been found through research and scientific analysis to contain the above-mentioned chemicals, all of which may have both immediate and long-range effects on the smokers health.

The above is from The University of the State of New York, The State Education Department, Bureau of Drug Education, 1979, Tobacco Education Curriculum

Recent Transfers and Promotions

EMPLOYEE

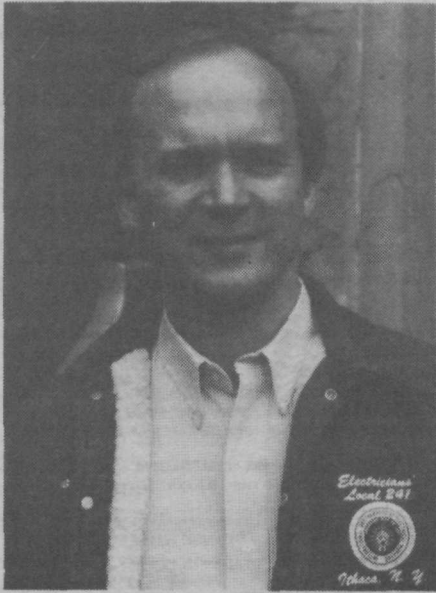
Julia Addy
Paula Andrews
Nancy Bartolone
Margaret Beach
Christopher Bell
Richard Bojko
Cynthia Bond
David Brown
Kathy Bruehwiler
Jo-Lyn Buchanan
Gregory Budney
Lorraine Burck
Delmar Cleveland
Barbara Coleman
Glenn Cotterill
William Couch
Stanley Covert
Scott Davis
Margaret Deasy
Cynthia Dekar
Irene Drowne
Patricia Esposito
Roswell Franklin
Michael Garcia
Cynthia Gratton
Dianne Harrington
Donna Henley
Lorraine Hollisfer
Kelly Horton
Lori Lachman
Bruce Land
Frances Laughlin
Karen Lucas
Linda Lukosavich
Bonnie Mather
Joseph Mazza
Steven McKay
Errol McKenzie
Gerald Menotti
Donna Middleton
Agnes Morris
Nancy Morris
J. A. Murray
Kathryn Noonan
S. A. Norman
Monica Norris
Mark Oros
Jane Paige
Marie Palmer
Bando Parpia
B. Pennyacker
Victoria Poelvoorde
Marcia Pottle
Susan Roedel
Sandra Rogers
Carin Rundle
Anthony Salerno
Maryann Schuler
Tina Scott
Michele Secord
Debbie Sladich
Cathy Smith
Amy Smith
Barbara Stanley
Yvonne Sterling
Marisue Taube
Wesley Terwilliger
Carol Vanderburgh
David Vaughn
Joan Walker
Katherine Wilson

DEPARTMENT

Theory Center
Public Affairs
Nutritional Sciences
Dining Services
Environmental Health
Engineering
English
Food Science
Residence Life
Career Center
Ornithology
Vet College
Poultry Science
Vet College
Facilities
Animal Science
Hotel Administration
Dining Services
Nuclear Studies
Computer Services
University Press
Engineering
Health Services
Treasurer
Chemistry
Education
Theory Center
Mann Library
JGSM
Animal Science
Hotel Administration
Campus Store
Vegetable Crops
Vet College
Health Services
Chemistry
Environmental Health
Engineering
State College Fleet
Alumni Affairs
Plant Breeding
Nuclear Studies
Theory Center
JGSM
Vet College
Nutritional Science
Health Services
State College Fleet
Theory Center
Agricultural Engineering
Public Affairs
Environmental Research
Dining Services
Hotel Administration
Unions & Activities
Dining Services
Engineering
ILR
University Libraries
Building Care
Nutritional Science
Alumni Affairs
Poultry Science
Public Affairs Records
Plant Breeding
Extension
Environmental Research

Commencement

Continued from page 1



Jake Benninger
Electric Shop—MSO

Being an usher is really fun, and it gives you a closer perspective of the real function of the university. It is the culmination of our day-to-day activities.



Shika Jones
Computer Services

"My former supervisor, Maria Blackburn recruited me. I like all the people contact and the wonderful experience of being on Schoellkopf Field with the graduates - everyone is thrilled to be there. It is just a good time."

Commencement Volunteer Coupon

Now that you've heard from colleagues who have thoroughly enjoyed their volunteer experience, why not consider joining their ranks this year. The first step is to complete this volunteer coupon and return it to the Commencement Office, B-25 Day Hall via campus mail as soon as you can.

Thanks.



I would like to volunteer to be a commencement usher.

Name _____

Campus Telephone _____

Department _____

Campus Address _____

Supervisor's Name _____

Supervisor's Campus Address _____

Another possible volunteer is:

Campus Telephone _____

Campus Address _____

Ken Kahl

Continued from page 1

by our own Floriculture and Ornamental Horticulture Department. A national leader in turfgrass research and highly regarded by the New York State Turfgrass Association, as well as the Golf Course Superintendents Association of America and the E.P.A., this program annually attracts participants from the turfgrass industry from as far away as North Carolina.

Some sixty participants, including golf course managers and those in residential lawn businesses plus a handful of grounds and athletic maintenance employees, learned everything from the basics of soil aeration to the very refined and complicated study of chemical control of plant diseases, according to Dr. Martin Petrovic, short-course advisory board member and course instructor.

The rigors of this program are equivalent to a standard three-credit course within the F & OH Department, a course that Cornell's undergraduates normally complete in a full semester of study. This very successful course is now going into its fourth year and has received tremendous support from industry participants.

The course attempts to improve its focus each year to match the needs of the industry, according to Petrovic.

"We are building a better relationship with the industry, which can only enhance our image in the future. It has been a very successful program and we welcome the Grounds Departments participation," said Petrovic.

Last year, two other employees from the Grounds Department, Bill Hathaway and John Howe, also completed this rigorous course. Their new knowledge has helped them in their care of campus lawns.

"After attending the seminars in the short course, I feel I have a more comprehensive overview of grounds maintenance

in its large scope. Much of what I learned has added to my personal professionalism and has given me more skills with which to do a better job, not only for the Grounds Department, but also around my own home," said Hathaway.

Ken Kahl came to the Grounds Department last summer with twelve years of grounds maintenance experience in a municipality in New Jersey. His former managers and subordinates describe him as dedicated, hard-working, goal-oriented and possessing a great sense of humor.

Ken, his wife Peg, new son Eric, along with their two horses share a hilltop "Green Acres" with flower and vegetable gardens and pastures. Ken finds working in the Grounds Department an agreeable arrangement. "I'm happy to have the privilege of expanding my professional ability. I feel there's room for upward movement here, and I appreciate the managements support in my efforts," said Ken.

George Peter, employee-elected trustee, recently presented Ken with his certificate at a brief ceremony, saying, "I applaud and congratulate the Grounds Department for promoting and encouraging the professionalism of its employees."

Dwight Widger, our newly elected employee trustee, stated, "We all wish Ken the best of luck in his pursuit toward excellence. We all admire his motivation."

Dennis Osika, Grounds Department superintendent, was pleased with Ken's initiative as well and said, "Ken has displayed enormous potential in this department. The Turfgrass Management Short Course is strenuous and demanding, and he is to be commended for his interest and enthusiasm for pursuing this professional standard to both our mutual benefits."

Whether tending their own "green acres" or the green acres on the Cornell campus, these turfgrass professionals can be found doing what they do best, improving and enhancing the beauty of our campus for all of us to enjoy.

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 May 5th issue is April 25th
- 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

- 1983 Dodge Aires wagon, automatic, blue-deluxe interior, 55k miles, AM-FM, cruise, air, all new tires, very good cond, best offer over \$3,000. 5-7206 days or 607-546-9241 after 5:30pm.
- 1986 Chevy Cavalier Z-24, V-6, 4-spd, AM-FM with cassette, sunroof, extra winter tires, 21k miles, mint cond. 5-7206 days or 607-546-9241 after 5:30pm.
- 1987 Volkswagen Jetta, exc cond, 18k miles, sunroof, cruise control, 5 spd, AM-FM cassette stereo, \$10,000 firm. Jan 5-6208.
- 1986 VW Golf, 2 dr, 5 spd, AM-FM radio, great gas mileage, \$7,300 neg, must sell. 898-4328 eves (keep trying) or 5-5195 days (Lorna).
- 1986 Dodge Shelby Charger, 16k miles, turbo charged,

Unclassified Ads
Address Change

Please send all unclassified ads to Net-working Unclassifieds, Humphreys Service Building

- 5 spd, sunroof, AM-FM cassette, black and gray body, cast aluminum wheels, Eagle tires, very clean, asking \$7,500. 272-1860 eves.
- 1986 Z-28 Camaro, red, T-top, many extras, exc cond, 15k miles. Bernie 5-6143 or 564-9375.
- 1985 Nissan Sentra, exc cond, low miles, 30k, 2 dr, 5 spd, front wheel drive, AM-FM with tape, blue book, \$4000, best offer, 277-6221.
- 1984 Mazda 626, 2 dr, air, 5 spd, AM-FM stereo cassette, exc cond; gravely convertible 12 HP tractor with 48" blade, electric start, only 30 hours. 5-7409 or 1-869-9359 eves.
- 1981 Suzuki GS450L with two helmets, good cond, runs great, \$600. Rich 5-2410 days or 539-6302 eves.
- 1981 Pontiac Phoenix, front wheel drive, cruise, air, cassette, black with red interior, \$800 OBO. 257-2857 after 8pm.
- 1978 AMC Concord, good cond, AM-FM cassette, two extra radials, snows, little rust, \$1,000. Doug 272-6849 or 5-9609.
- 1978 Chevy Impala, 9 passenger wagon, AC, stereo cassette, 350 engine, Ziebarted, 79k miles, exc cond, \$1,895 neg. 5-9331 or 844-4787 after 6pm.
- 1974 Pontiac LeMons, 8 cyl, automatic, power steering, brakes, Am radio, snows, great engine-interior, needs bodywork, safe, solid transport. Barb 5-3406, 9-noon only.
- 1966 Volkswagen bus, exc shape, \$250. 659-5009 eves.
- Black nose bra for a Monte Carlo Super Sport, \$25. 5-

- 3102 days or 272-4271 eves.
- Amerigo truck-mount camper, sleeps 6, completely self-contained, needs heavy duty truck, \$1,500. 564-9375.
- Prom or bride's maid dress, size 4, aqua blue with hat, only worn once, paid \$133, asking \$65. 272-5221.
- Large wood stove, must sell immediately. Geri 5-6639 days or 564-7912 eves.
- Pine dining room set: 4-ladder back chairs, 60" round drop-leaf table, 60" hutch. 5-2127 days or 589-6770 nights.
- Rug, about 9x12 tan wool tweed, old, serviceable and attractive, \$75 or make offer. 257-6458.
- Plated silver platter, sterling silver sandwich plate, and two crystal water goblets. William Austin 5-3641.
- PTO buzz saw, \$225; new fireplace insert, \$300 new, \$125 used. 546-9861 after 6pm.
- Bdrm suite, chest, dresser with mirrors, nighttables, queen headboard, pecan wood, exc cond, asking \$500. 257-5285.
- Classical guitar, \$20, electronic typewriter (Olivetti PRAX1535) with automatic correction, choice of spacing, many other features. \$99, must sell, leaving country. 272-0171 or 5-5516.
- GE freezer, 11.6 cu ft, upright, \$125, exc cond. Sue 5-1849 or 273-3478 eves.
- Letter-quality NEC spinwriter printer model 2050, new \$1,200, now \$300, includes two thimbles and four ribbon cartridges. Jerry Wilmarth 5-9087.

- Apple II PLUS computer, BW 9" monitor, 2 disc drives, joystick, lots of software: Pascal, Applewriter, Datafax, Visidex, etc., \$300 OBO. 255-8476.
- Queen size cherry wood bed frame, mattress, box springs, exc cond, \$150. Debby 5-2408 days or 539-6302 eves, will deliver.
- Log home, cathedral livingroom ceiling, 3 bdrm, all carpeted, full basement with woodstove, 16'x24' pool, 2 decks, 1 acre, beautiful country setting, low taxes, 25 min. west of Ithaca, \$62,500. 5-7206 days or 607-546-9241 after 5:30pm.
- Mobile home, 1964, very good cond, carport, appliances, W&D, gardens. Varna park, HSA may consider owner financing. 347-4858.
- Mobile home, set up in park, 12x65, \$6,500 neg. Roberts 5-5507 days or 257-4185 eves and weekends.
- 1984 Pinegrove Mobile home, 3 bdrm, 2 full baths, set up in park in Moravia, W&D, stove and refrigerator, some furniture, \$13,000 firm. Iva 253-3600 8-4:30pm.
- Mobile home, 1983, 14x70 in Dryden Park, 3 bdrm, 2 bath, good cond. 844-4981.
- 1985 3 bdrm, 2 bath trailer, set up in Newfield park, extras. 5-5692 or 564-9352 weekends only.
- Black ewe lamb, \$55; Alpine doeling, \$45. 564-9375.
- Gentle, well mannered, handsome chestnut gelding, 3 yrs, green broke, \$725; western saddle with matching breastplate, \$185 offer. 564-9375.

Wanted

- Black nose bra for 1979 Mazda RX7. 589-6454.
- Pair of childrens (girls) shoe roller skates, size 13, in good cond. 273-7968 anytime.

For Rent

- Cayuga Heights sabbatical home, elegant, historic, furnished, 3 bdrm, library, sunporch, easy walk to CU. June 88-August 89, \$1,150 per month (lower for two people), plus utils. 5-4726 or 257-7322.
- 3-4 bdrm house in Cayuga Heights, 2 full baths, furnished, Aug 20, 88-May 20, 89, \$775 per month plus utils, lease, security deposit, and references required. (515) 236-7183 or 269-3174 or 3175; after May 28, 257-6938.
- Sublet one bdrm apt, Community Corners, trees and large yard, morning light, includes utils, furniture, parking, rent and time period neg. Beth and David 257-6853.
- London-Long summer rental, Georgian Terraced house, 3 bdrm, 2 bath, garden, every convenience, very central, \$2,000 per month. 257-4839 or London 01-441-607-6890.
- Avail May 1, East Hill 2 bdrm, unfurnished duplex, all appliances, garage, pond, view, on CU busline, pet considered, \$630 plus. 5-1920 or 272-7479.
- To share: large mobile home in Varna, end lot, 2 bdrms, immaculate, \$300 includes. 564-9375 or 272-7359.

Wanted to Rent

- Furnished country house for summer by responsible older couple. 387-6270.

Ride Needed

- From Cortland to CU and return, Tues, Wed, Thurs. (May through mid-July), presently working hours are 8am-4:30pm. Beverly 5-8824 or 753-9805 (home).

Life Safety Lines

Spring Clean Up and Fire Safety

By L.S.S. E. Thurston

Spring! The weather and our hearts thaw as spring breaks through. It's a time when many of us attack clutter around our homes as a ritual of spring. Winter months can bring accumulated debris throughout the home and the coming of spring signals a time to do something about it. Bulky blankets and outdoor clothing, snow shovels, boots and other wintry needs now seem in the way. Take the time now to take a critical look around your home to reduce fire and safety risks.

Without our realizing it, spring cleaning is a fire safety activity. The old saying is all too true: Clutter gives fire a place to start. Most of the winter debris that accumulates over the cold winter months isn't only unsightly, it's flammable. Cleaning it up now reduces the chances that a fire will start.

Now is the time to get rid of those left over holiday boxes in the cellar way, attic, and basement. They build up, get in the way and invite fire. If newspapers have been accumulating since the winter months began -- now is the time to call the recycler, or contact an organization that may be preparing for a newspaper fun drive. Whatever your option, get rid

of those newspapers.

Find and dispose of oily and other flammable rags. This is the time to start with a fresh shoe or furniture polishing rag. And those cloths you used to wipe up after refueling the snowblower or snowmobile should be disposed of before they could cause a fire. It doesn't have to be very warm in your garage or storage area for oily rags to spontaneously combust and start a fire. Even the rags you use with furniture polish or spray are dangerous and should be properly disposed of.

Remember, snowblowers and snowmobiles, as well as portable heaters, should be serviced, drained, and put safely away.

Go through your household storage areas. Overstuffed attics, basements and closets invite fire. Try and throw away what you really don't use. Or how about a garage sale the next pleasant spring day. If you can't bear to part with things, consider renting space at a mini-warehouse, self-storage facility. At the very least, straighten things up and be sure everything is at least three feet from furnaces, water heaters, and other heat sources.

While you're in the cleaning mood, take a minute and check your smoke detector. If you find evidence of dust and dirt, gently remove the detector from its mount, and, using a vacuum cleaner, vacuum the outside of the detector to remove dust and dirt particles. As long as the detector is down, change the battery to ensure it will operate properly.

Have your fire extinguisher for home, camper, boat or cottage checked and serviced by a reputable dealer.

Don't let any area of your home become tempting fuel for fire. Spring cleaning is a chance for you to make your fami-

Blood Pressure
Clinics for
April and May

- April 21 - Comstock Hall, Room 2123 - 8:30-11:30am
- April 26 - Residence Life, Class of 28 Residence Hall Lounge - 8:30-11:30am
- April 26 - Residence Life, Balch I Lounge - 12:30-3:30pm
- April 27 - Morrison Hall, Room 134 - 8:30am-2:30pm
- April 28 - Africana Studies and Research Center, Hoyt-Fuller Lounge - 9-11am
- April 28 - T & R Center, Harford, NY - 7-11am.
- May 3 - Goldwin Smith Hall, Conference Room of Admissions - 8:30am-12:30pm
- May 4 - Robert Purcell Union, Unions & Activities - 11:30am-1:30pm
- May 18 - Barnes Hall, Conference Room - 9-11:30am
- May 19 - University Press, Office - 8:30-10:30am
- May 19 - University Press, Warehouse - 11am-12 noon
- May 24 - Baker Institute-Levine Lab, Baker Institute Conference Room, 9am-12 noon
- May 26 - University Admissions, Lunch Room - 9-11am

ly's lifestyle more fire-safe. So when warmer weather gives you the urge to stretch your muscles and do something, how about attacking that basement, garage, or storage room? Your family will sleep more safely tonight.

From the Food for Thought Department

With the warmer weather also comes one of the busiest times for firefighters. Grass fires, brush fires and forest fires burn millions of acres each year. If you must burn brush, etc. for agricultural purposes, do so with extreme care and remember to check with local conservation and fire officials for laws and ordinances pertaining to open burning. Remember what our old friend SMOKEY tells us, "Only you....."

Employee
Calendar

Events of Particular Interest to
Cornell Employees

- Thursday, April 21. Blood pressure clinic, Comstock Hall, Room 2123, 8:30-11:30am.
- Tuesday, April 26. Brown Bag Luncheon seminar celebrating the Week of the Young Child, 12 noon, Edwards Room, Anabel Taylor.
- Tuesday, April 26. Blood pressure clinic, Residence Life, Class of 28 Residence Hall Lounge, 8:30-11:30am.
- Tuesday, April 26. Blood pressure clinic, Residence Life, Balch I Lounge, 12:30-3:30pm.
- Wednesday, April 27. Blood pressure clinic, Morrison Hall, Room 154, 8:30am-2:30pm.
- Thursday, April 28. Blood pressure clinic, Africana Studies and Research Center, Hoyt-Fuller Lounge, 9-11am.
- Thursday, April 28. Blood pressure clinic, T & R Center, Harford, NY, 9-11am.
- Saturday, April 30. CRC steak dinner dance at the VFW in Dryden. Call the CRC Office, 5-7565, today!
- Sunday, May 1. CRC Beebe Lake celebration.
- Monday, May 16. Lunch with Senior Vice President James E. Morley. Call the Office of Human Resources, 5-3621, to make reservations.

Saturday, May 21. CRC Vernon Dwons trip. Call the CRC Office for further details.

May 21-23. CRC hawaii in Pittsburgh trip. Call CRC for more information.

May 23-29, 1988. LPGA Corning Classic. Contact the CRC Office (5-7565) for more information.

Wednesday, June 18. CRC Annual summer picnic. To be held at the new park site or Helen Newman grounds.

Thursday, June 23. Breakfast with Senior Vice President James E. Morley. Call the Office of Human Resources, 5-3621, to make reservations.

Saturday, July 9. German Alps festival. Call the CRC Office, 5-7565 for ore information.

July 14-23. Canadian Rockies 20-day, 9-night trip. Call Stone Travel, 257-2515 or the CRC Office, 5-7565 for more information.

Networking
Deadlines

- April 25 for May 5
- May 9 for May 19
- June 9 for June 23
- July 7 for July 21

Summer Rental
Garden Plots Available

The Cornell Garden Committee announces that rental garden plots, on land donated by the New-York State School of Agriculture and Life Sciences, are available for summer gardening. Rental is available to all. It is not restricted to members of the Cornell community. The plots, which are fertilized, plowed and disked, are located at Cornell Quarters off Mitchell St., Ellis Hollow near East Hill Plaza and Warren Farm (Bluegrass Lane off Hanshaw Rd.) The rental price per plot is \$6 for 20'x25' or \$10 for 20'x50'. Interested persons should send a stamped, self-addressed envelope with their telephone number, preferred location and interest (organic-inorganic) to:

- Garden Plot
- Box 871
- Ithaca, NY 14851
- Do not send money. We will return a priority number for plot assignments in the order received. Distribution will be on Saturday, May 7, 9:30-1:30. For further information call 257-4115.

A Short Course in
Human Relations

- The six most important words: "I admit I made a mistake."
- The five most important words: "You did a good job."
- The four most important words: "What is your opinion?"
- The three most important words: "If you please."
- The two most important words: "Thank you."
- The one most important word: "We."
- The least most important word: "I."

- Donna Updike
- George Peter
- John Bender
- Dominic Versage
- Peg Landau
- Ann Marcham
- Graham Stewart

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