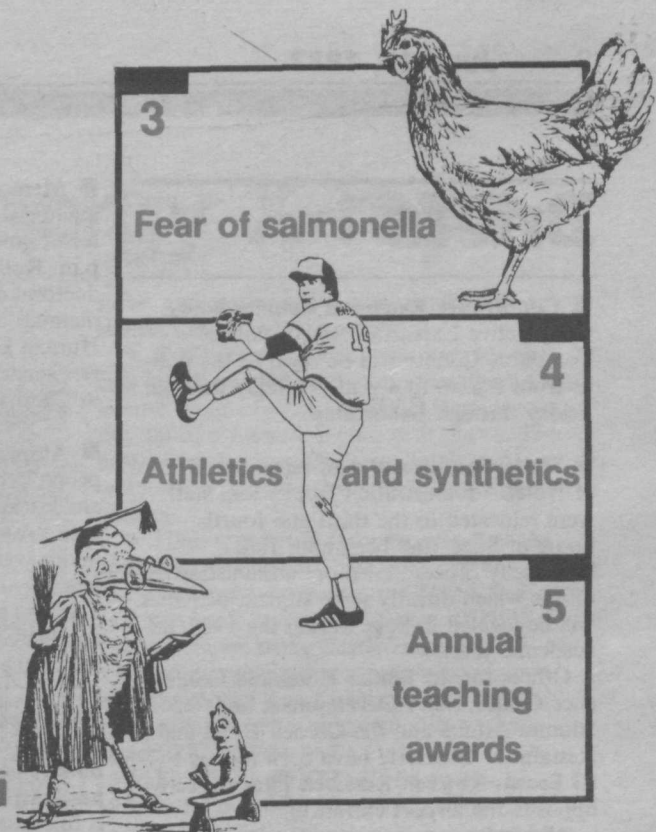


# Cornell CHRONICLE

Volume 18 Number 36 June 11, 1987



## Public affairs unit set; Nesheim gets new post

Cornell's trustees gave conditional approval to creation of an Institute for Public Affairs pending further review by their Academic Affairs Committee and appointed a new senior vice president and new vice provosts for budgeting and planning and for academic programs during their meeting May 30.

The Cornell Institute for Public Affairs, proposed by government Professor Benjamin Ginsberg, will offer graduate training in policy analysis, politics, policy evaluation and public management leading to a master's degree in public administration.

The institute will offer several areas of policy concentration, including agriculture, education, health, labor, law, national security, and science and technology.

### Vice provost position added

Trustees appointed Malden C. Nesheim,

now director of the Division of Nutritional Sciences, to the newly created position of vice provost for budgeting and planning.

In that job, he will oversee budgeting and planning offices for both the state-supported and endowed segments of the university. These include the Endowed Budget Office, the Finance and Business Office of the state-supported colleges, the Institutional Planning and Analysis Office, and the Campus Planning Office.

"In establishing this new post, we are creating a system to give us a better view of the wide range of resources at Cornell and how we allocate them," Provost Robert Barker said.

"We are bringing together the planning for Cornell's annual budgets and the longer-range planning for institutional objectives so that we can do much more integrated map-

ping of the university's future," he said.

"Malden Nesheim has done an outstanding job as director of the Division of Nutritional Sciences to help create one of the world's leading research and teaching faculty in nutrition. We are extremely pleased that a scholar of such administrative talent and superior academic qualifications has agreed to take on this demanding new post."

### Two other appointments

Trustees also appointed James E. Morley Jr., currently vice president and treasurer, to the position of senior vice president, effective July 1. Morley, who joined the university in 1985, will succeed William G. Herbster, who is retiring.

Larry I. Palmer, a professor of law, was appointed vice provost for academic pro-

grams. Palmer, who served in the provost's office from 1979 to 1984, will succeed Barry B. Adams, who is returning to the English Department.

An annual report on the Status of Women and Minorities that was presented to the board showed that, between 1984-85 and 1986-87:

- The number of freshman women applicants increased, but the number of women decreased as a proportion of accepted and enrolled freshmen and as a proportion of total undergraduate enrollment.
- Women increased in number and as a proportion of the faculty and academic staff, and of the non-academic work force.

*Continued on page 11*



Claude Levett

To be sure to attract her daughter's attention at commencement ceremonies in Schoellkopf Stadium, Diane Biederman's mother gave 'I love Dr. Biederman' T-shirts to all 11 of her friends and relatives from Long Island who came up for graduation. Dinane's fiancé, Bill Brynda, and her uncle and aunt, Nick and Etta D'Anna, held up cardboard letters, too, for the recent graduate of the College of Veterinary Medicine.

More photographs of Commencement, pages 6-7.



Claude Levett

## 5,000 alumni and guests expected for reunion weekend

Some of Cornell's best-known alumni are returning to the campus this week as more than 3,000 people from 14 classes gather for a series of reunion parties, lectures and special events.

Many of these famous Cornellians are members of the Class of '62, who will be on campus to celebrate their 25th reunion. Among them are:

- Margie Blanchard, a management specialist and co-founder of Blanchard Training and Development.

- Jane Brody, a science writer for The New York Times and author of several books, including "Jane Brody's Nutrition Book" and "Jane Brody's Good Food Book."

- Michael Egan, chairman of Alamo Car Rental Inc.

"The Class of '62 is an unusually strong group, with many famous alumni," said Anne D. Benedict, director of class programs. "Some classes just seem to stand out that way."

Benedict said that the Class of '62 is among Cornell's most successful, with a large number of entrepreneurs and authors. Other well-known class members include:

- George Slocum, president and chief executive of Transco Energy Co,
- Christopher B. Hemmeter, a resort developer who is founder, chairman of the board and chief executive officer of Hemmeter Corp. Hemmeter's \$360 million

Hyatt Regency Waiakoloa in Hawaii is expected to be the most expensive hotel ever built when completed in 1989.

- U.S. Circuit Judge Harry T. Edwards of the U.S. Court of Appeals, who is former chairman of the board of directors of Amtrack. He is the co-author of four books on law and labor arbitration.

- Will Anderson, who has written no less than seven books on beer and breweries.

- Barbara Dean Stewart, a writer, musician and founder of Smartwriters Inc. and Kazoophony. She is author of the book, "How to Kazoo," which is in its seventh printing.

These and other alumni from the classes

of 1917 through 1982 (in five-year increments) will return to campus beginning June 11.

"It looks like we will break all attendance records again this year," said reunion organizer Benedict. "With more than 5,000 alumni and guests on campus, we'll be at full capacity."

Highlighting the weekend will be two lectures. On Friday, former British Prime Minister Edward Heath will speak on to a limited number of alumni from each class on "Britain, the European Community and the United States" in Bailey Hall at 4 p.m. On Saturday, Blanchard will present "Strategies for Balancing a Complex Life."

*Continued on page 11*



## Briefs

■ **Cooperative Extension summer hours:** Cooperative Extension Association of Tompkins County will be open to the public from 8 a.m. to 4 p.m. Monday through Friday through Labor Day.

■ **Statler faculty and staff relocated:** School of Hotel Administration faculty and staff were relocated to the third and fourth floors of Sage Hall beginning June 8. Faculty offices and those administrative offices which directly serve student activities will be located in Sage during the 1987/88 academic year.

Offices for the Statler Hotel and Conference Center, SHA Development and Alumni Affairs and the Cornell Hotel and Restaurant Quarterly have been moved to 83 Brown Road in Research Park (directly opposite the airport entrance).

With a few exceptions at the Brown Road offices, all SHA telephone numbers will remain the same as those Statler Hall numbers listed in the 1986-7 Staff Directory. Campus and U.S. mail should continue to be addressed to those Statler Hall room locations noted in the Staff Directory. Mail will be forwarded.

Classes will be held in various locations on campus, with a majority scheduled in Agriculture and Life Sciences buildings, Ives Hall, and Martha Van Rensselaer Hall. Renovations to the school portion of Statler Hall are scheduled to be completed in June 1988.

■ **Johnson Museum receives IMS grant:** The Johnson Museum of Art has received \$75,000 for operations for 1987 from the Institute of Museum Services, a federal agency based in Washington, D.C. that provides financial support to the nation's museums. The Johnson Museum serves the Finger Lakes region, bringing art of various cultures and historical periods to the area. The museum received the same sum from IMS in 1985.

■ **Compensation requisitions due before deadline:** The number of university vacancies increases dramatically during the summer, so it is important to deliver requisitions to Compensation (111 Day Hall) well in advance of the current deadline of Thursdays at noon. For more information, call Compensation at 255-7007 or Staffing at 255-5226.

## Correction

An article in the May 28 Cornell Chronicle about student winners of national academic awards incorrectly identified two students awarded National Science Foundation fellowships. Susan Marie Lord, '87, was in the College of Engineering, Materials Science and Engineering and Karen Irene Winey, '85, is in the same college and department.

## 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.

■ **Memorial service for Mabel Rollins:** A memorial service for Mabel A. Rollins, professor emeritus, will be held June 13 at 3 p.m. Rollins earned bachelor, master and doctoral degrees from Cornell and was a member of the faculty of the College of Human Ecology from 1942 until her retirement in 1969. She died Dec. 18, 1986 in Chatham, N.J.

■ **Automatic Call-back available:** Many people are not taking advantage of a standard feature on the campus telephone system. "Automatic Callback" can be used to notify you when a 255 exchange number is free.

If you receive a busy signal when dialing another System 85 extension number, hold the switchhook down for at least five seconds, then dial (\*)5 followed by the five-digit extension number that was busy. You will receive a confirmation tone (three short bursts) signifying that automatic callback has been activated. When the called number is free, the System 85 will ring your phone with a triple ring. When you pick up your phone, the System 85 will then ring the other extension number. This feature will not work on the 253 exchange at the vet School and non-Cornell numbers.

For further instructions, call your telecom service representative or Judy Vandermark at 255-5502.

■ **Experimental College summer session:** Cornell's Experimental College will offer a summer session from July 6 to Aug. 8. Courses generally run once or twice a week for five weeks during evenings or late afternoons. Fees range from \$20 to \$100 per course and anyone with a valid Cornell I.D. receives a discount.

Course brochures are available from the Willard Straight desk or 538 Willard Straight Hall and in other locations throughout the campus and Ithaca. In-person registration will take place June 24 and 25 in the WSH Memorial Room. Registration will also take place at Summer Session registration, Lynah Rink, June 29 from 9 a.m. to 5 p.m.

For more information, call the Experimental College at 255-7131.

■ **Mario Einaudi Prize awarded:** Two students shared this year's Mario Einaudi Prize for the best essay on modern Europe: Joshua Abelson wrote a paper entitled "Militarism in Post-1945 West Germany: Where is it?" and Michelle Fornabi wrote "European Alliance Relations and Nuclear Weapons."

The prize is awarded annually in recognition of the contributions of Einaudi, professor of government emeritus, to the development of European studies at Cornell.

## Notable

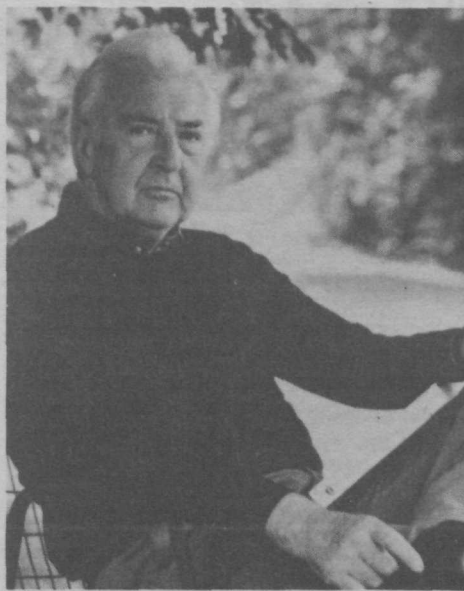
**William D. Gurowitz**, vice president for campus affairs, has been awarded a Fulbright Fellowship to study student-university relations in England, particularly faculty-student interactions. His six-month research project will be centered at the University of London and is scheduled to begin in the fall.

Gurowitz is one of three American administrators to receive grants during 1987-88 under the federally funded Fulbright Fellowship Program in the United Kingdom for Academic Administrators.

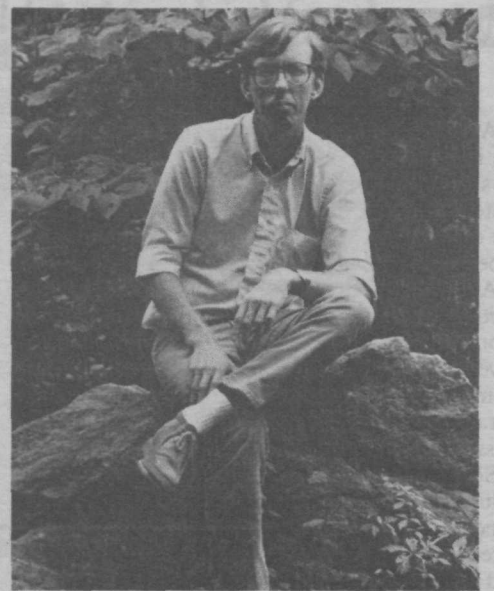
Gurowitz, who has headed Cornell's Division of Campus Life since 1971, said he wishes to observe first hand the traditional close relationship of faculty and students in the classroom and residential halls at British universities. He said the University of London is of particular interest because of its similarities to Cornell in size, in undergraduate and graduate programs, in research, and in substantial residential and off-campus student populations.

**Robert J. Smith**, professor of anthropology and a specialist in Japanese studies, became vice president of the Association for Asian Studies at its annual meeting in Boston in April. He will advance to president of the international organization automatically next spring.

Membership in the association includes about 6,000 scholars and government and business executives in the United States and other countries. It publishes the quarterly "Journal of Asian Studies" and an annual bibliography of English and European-language books and articles dealing with Asia.



Eugene J. McCarthy



B. Eliot Wigginton

## Summer lectures, performances scheduled through July, August

The Cornell Summer Lectures Series will include 1968 presidential candidate Eugene J. McCarthy, ABC sportscaster Dick Schaap, and Nien Cheng, author of the critically acclaimed book "Life and Death in Shanghai."

Six lectures will be given in the series on consecutive Wednesdays from July 1 through Aug. 5 starting at 8:15 p.m. in Bailey Hall. The schedule is:

- July 1 — "Advances in Medicine and The Good Life," Dr. Stephen S. Scheidt, professor of clinical medicine and assistant dean for continuing medical education, Cornell University Medical College in New York City.

- July 8 — "What Is There About the White House That Makes Its Occupants Want to Do Bad Things," Theodore J. Lowi, the John L. Senior Professor of American Institutions.

- July 15 — "Foxfire and the Community Conscience of High School Students," B. Eliot Wigginton, editor of The Foxfire Series and president of the board of directors of The Foxfire Fund. He is a 1965 Cornell graduate.

- July 22 — "Overconsumption in America: Beyond Thorstein Veblen," McCarthy, who is now with publishers Harcourt Brace Jovanovich Inc. in Washington, D.C.

- July 29 — "The Chinese People Hope for a Good Life," Cheng.

- Aug. 5 — "The Good Life: Name-Dropping: The Varied Worlds of Dick Schaap," Schaap, a 1955 Cornell graduate.

The lectures series is sponsored annually by the Division of Summer Session, Extramural Study and Related Programs. Other events sponsored by the division are highlighted below.

The songs of Gilbert and Sullivan, Oscar Hammerstein II and Stephen Sondheim will be featured when the Savoyards, The SUNY College at Cortland Summer Theater, and the Hangar Theater take the stage in Barnes Hall auditorium.

"Jacques Brel is Alive and Well and Living in Paris," a revue of works by the late Belgian lyricist and composer, will be performed in the Anabel Taylor courtyard in early August.

Violinist Rolfe Sokol and pianist Carl Blake will open the Monday night concert series in Barnes Hall, followed by Malcolm Bilson, master of the fortepiano, synthesizer music performed by David Borden and the New Mother Mallard Band and an evening of Javanese Dance with Cornell Gamelan.

An Outdoor Concert Series will include the folk music of Ruth Pelhams Music Mobile, Sadie Green Sales Ragtime Jug Band, the Cayuga Dukes dixieland band, Fe Nunn playing contemporary jazz, Bill Keith and Summit, and Ithaca's Peggy Haime and the Lowdown Alligator Jass Band.

A week-long mid-day series of 10 lectures and discussions led by faculty members of the Cornell Medical College will be held in mid-July. And a Sandwich Seminar Lecture Series has been set for Thursdays at noon.

Smith, who joined the Cornell faculty in 1953, is a past chairman of the university's departments of Asian Studies and Anthropology. His research includes Japan's rural communities, Japanese ancestor worship and Japanese descendants in Brazil, which in past years attracted South America's largest number of Japanese immigrants.

**D. Bob Gowin**, professor of education, was elected a charter trustee of the Association for Process Philosophy of Education during a meeting of the American Philosophical Association, Central Division.

Gowin also is chairman of the John Dewey Society Lecture Commission, which annually selects a lecturer on education and culture, and is a member of a Philosophy of Education Society committee on women and philosophy.

His book, "Educating," was published in paperback this year by Cornell University Press.

**Edwin E. Salpeter**, the James Gilbert White Distinguished Professor in the Physical Sciences and director of the Center for Radiophysics and Space Research, has been awarded the 1987 Catherine Wolf Bruce Medal of the Astronomical Society of the Pacific.

Salpeter will be cited for a lifetime of outstanding achievement in the field of astronomy when he receives the award July 15 at the society's 99th annual meeting in Pomona, Calif.

The Bruce Medal has been presented annually since 1898 and is considered one of the highest honors in the field of astron-

omy. For Salpeter, the Bruce Medal completes a "triple crown" of major astronomy prizes — he is also a recipient of the Gold Medal of the Royal Astronomical Society and the Shapley Lectureship of the American Astronomical Society.

**Roger T. Trancik**, associate professor of landscape architecture and city and regional planning, has been appointed to the architecture planning and design review panel for the New York State Council on the Arts for a one-year term through March 31, 1988.

The panel of 12 experts on architectural planning and design offers advice on funding to the council, which is dedicated to the promotion of the arts in New York State.

Trancik is the author of a recent book, "Finding Lost Space: Theories of Urban Design."

**Lee W. Schruben**, professor of operations research and industrial engineering, received the first "Outstanding Simulation Publication Award" from the Institute of Management Sciences College on Simulation and Gaming. He received the award at the May 5 joint national meeting of the Institute for Management Sciences and the operations Research Society of America.

The award is given for the most distinguished work in simulation research published world-wide during the previous three years. Schruben received the award for the origination of the concept of "Standardized Time Series," a technique whereby a single probability model can be used to analyze dependent data from diverse areas.



# Physicists plan uses for highest-energy X-rays

A rapid-fire pulsed beam of X-rays with the intensity of a million medical chest X-rays is offering scientists a new window into material structures, from the workings of the common cold virus to the structure of superconducting ceramics.

A byproduct of Cornell's five-billion-volt particle accelerator, "synchrotron radiation" promises even greater returns as scientists develop new uses for the beam, ranging from X-ray movies of chemical reactions to X-ray mapping of the structure of metals, glasses and composites.

Some 100 government, university and industry users of the Cornell High Energy Synchrotron Source (CHESS) will gather here June 16 and 17 to discuss the present and future uses of the highest-energy beam of X-rays available.

Included in the discussions will be talks on the uses of CHESS in biology, chemistry, physics and engineering, according to CHESS director Boris W. Batterman, the Walter S. Carpenter Jr. Professor of Engineering.

## Once a nuisance

Synchrotron radiation, once considered a nuisance by physicists, is electromagnetic radiation spewed out by beams of high-energy electrons as they are bent by powerful magnets into a circular path in particle accelerators.

Such radiation, from visible light to high-energy X-rays, is emitted in the forward direction of travel, like the headlight of a locomotive sweeping around a curve. By adding windowed ports in the side of an accelerator, physicists can tap this beam to use the X-rays in analyzing the structure of a wide variety of materials.

CHESS X-rays are produced by the Cornell Electron-Positron Storage Ring (CESR), a half-mile ring in which counter-rotating beams of electrons and positrons are collided at energies of more than 5 billion electron volts to yield subatomic particles and to study quarks, the basic units of matter. CESR produces the most intense, or "luminous," such electron-positron beams in the world.

Electrons circle within CESR in tight bunches about the size of sewing needles. Seven such bunches circle within the ring at a time, causing synchrotron radiation to be produced as short bursts of about one-tenth-billionth of a second, spaced several hundred billionths of a second apart. The CHESS beam source consists of three ports, which feed ribbon-shaped X-ray beams to



Rick Wolfgang of the University of Munich positions a tiny crystal of calcium fluoride to prepare it for illumination by the CHESS beam.

small lead-lined chambers called "hutches," where experimental samples are mounted.

These X-rays typically range in energy between 10,000 and 100,000 volts, with about the same penetrating power as those produced by medical X-ray machines. However, unlike medical X-rays, synchrotron X-rays are produced in a tightly focused beam up to one million times more intense.

Cornell physicists recently installed a device to increase the intensity of the X-ray beam, particularly at higher energies. Called a "wiggler," the device consists of a series of six powerful electromagnets that oscillates the electron beam back and forth as it passes through, intensifying the production of synchrotron radiation. The future will see the installation of an even more powerful

intensifier, dubbed an "undulator," which will feature several hundred such magnets.

In the experimental hutches, CHESS users have turned the X-ray beam to an enormous variety of uses, for example:

- The structure of tiny crystals of proteins and viruses can be obtained quickly using the intense CHESS beam in X-ray diffraction studies. Scientists have already used CHESS to produce the first three-dimensional molecular structure of the human cold virus.

- By shining the beam through special "diamond anvil cells," in which samples are subjected to pressures millions of times that of atmospheric pressure, scientists can study the structure of matter at ultra-high pressures. Silicon and other semiconductors change into alien forms under such pres-

ures, and some usually nonmetallic substances can change into metals.

- Researchers studying the complex process by which plastics fracture can direct the intense, highly focused CHESS beam at the tiny tip of a fracture region as it grows. The new understanding of plastic breakdown will lead to new ways to create far tougher plastics.

- High-speed molecular "movies" of the spectra of biochemical reactions can be made using the stroboscopic CHESS beam as a sort of X-ray movie camera. CHESS researchers are using this technique to follow the changes in the oxygen-carrying protein myoglobin as it combines with carbon monoxide, to better understand how the molecule functions.

- Similarly, the CHESS beam can be used to follow the ultrarapid melting and recrystallization of silicon as it is blasted by a laser. Such laser annealing offers the possibility of producing more perfect crystals for microelectronic chips.

- Scientists are using CHESS to develop a sort of X-ray "sonar" to reveal the structure of metals, glasses and composite materials. They have discovered that the intense pulses of CHESS X-rays produce high-frequency sound waves within such materials, which can reveal subsurface features.

- By scanning the surface of a material with X-rays of a range of energies and measuring the spectrum of electrons ejected from the surface, researchers can study the structure of the surface in enormous detail. For example, by using this technique to study a nickel-cobalt-molybdenum catalyst for desulfurizing coal, chemists can examine selectively the role of each metal.

At the June meeting, the researchers gathering from across the country will discuss not only current uses of CHESS, but also the future of the facility and of synchrotron radiation research in general. The CHESS plans include the addition of more beam lines, the installation of the undulator and an increase in support facilities.

First funded in 1977, CHESS went into use in 1981 and now hosts some 100 research projects a year, involving several hundred scientists from government, universities and industry. Other lower-energy synchrotron sources in the United States include the Stanford Synchrotron Radiation Laboratory and the National Synchrotron Light Source at Brookhaven National Laboratory.

— Dennis Meredith

## Hotel drive sets higher goal

A strong volunteer effort and unexpectedly strong support from the hospitality industry have enabled the School of Hotel Administration to increase the goal of its current fund-raising campaign from \$25 million to \$35 million.

President Frank H.T. Rhodes announced approval of the new goal by the Board of Trustees and the Hotel School Leadership Campaign Committee after the trustees met May 30.

The funds are being sought to underwrite an expansion and renovation of Statler Hall, the school's academic and administrative building, and its hotel facilities, which will be renamed The Statler Hotel & Conference Center when completed in the summer of 1988.

The Conference Center will include a 96-seat amphitheater with state-of-the-art audio-visual equipment, meeting rooms and a foyer designed to accommodate registration activities. These facilities and audio-visual connections in the private dining rooms will greatly expand the Hotel School's capacity for accommodating educational programs of all sizes.

By the end of April, the campaign had generated more than \$24 million of its original \$25 million goal with gifts from 237 corporations, foundations, alumni and friends. This included gifts of \$1 million or more from Banfi Vintners; Duty Free Shoppers; Chris Hemmeter, a 1962 graduate of the Hotel School; Hilton Corp.; Ichiro Inumaru, a 1952 graduate; Marriott Corp.; the J. Willard Marriott Foundation; the Statler Foundation; and UAL Inc./Westin Hotels. Those donors have been designated as the Leadership Circle.

— Barry Gross

## Salmonella level in chickens said to be safe

The most common source of food poisoning from salmonella-contaminated chicken is mishandling and improper cooking, according to a Cornell food scientist who took issue with a recent government report criticizing the poultry industry.

The normal level of salmonella bacteria in poultry is not high enough to cause widespread food poisoning, Joe M. Regenstein, an associate professor of food science in the College of Agriculture and Life Sciences, testified on June 2 in Washington, D.C.

Regenstein appeared before the House Agriculture Committee's Subcommittee on Livestock, Dairy and Poultry. The hearing was prompted by a report from the National Research Council on "Poultry Inspection, the Basis for a Risk-Assessment Approach," which was made public on May 12.

In its report, the NRC said that current inspections of poultry fail to protect the public from chemical contamination or from microorganisms that cause food poisoning. It recommended more intensive sampling of chickens and monitoring of feed and water.

### Few salmonella per chicken

The NRC report estimated that 37 percent of chickens are contaminated with salmonella bacteria. Regenstein said such a finding is not unusual if the chicken carcasses are subjected to highly sensitive laboratory tests. But the number of salmonella detectable in each chicken with such tests will not be high enough to pose a general health hazard, he said.

"Problems with salmonella — and probably campylobacter (another organism regarded as a potential health hazard) —

only occur when the product is mishandled before cooking," he said.

"The popular press' recent emphasis on the salmonella problem seems to be a bit of media hype," he added.

"In fact, it is not based on the discovery of any new information or any increase in the number of food-poisoning cases. The sensationalism may reflect a failure to educate consumers about how to handle meat and poultry safely."

**"The popular press' recent emphasis on the salmonella problem seems to be a bit of media hype. In fact, it is not based on the discovery of any new information or any increase in the number of food-poisoning cases. The sensationalism may reflect a failure to educate consumers about how to handle meat and poultry safely,"**

— Joe M. Regenstein, associate professor of food science

Salmonella originates in the digestive tract and fecal material; victims of salmonella poisoning can get stomach aches, diarrhea or both.

"You don't put milk on the kitchen counter for hours and drink it later," he said in an interview. "Similarly, the consumer must cook chicken fully and wash up after preparing raw poultry before going onto other food preparation."

"Unfortunately, in our zeal to protect consumers from the 'carcinogen of the month,' we have lost sight of the fundamentals of food science with respect to maintaining routine safety," he said.

The NRC report observed that federal inspectors have only a few seconds to inspect each bird visually. Regenstein said even such a cursory inspection is effective in detecting birds with visible diseases and bruises.

Regenstein also praised the report, pointing out that "undesirable chemical contaminants exist in all natural foodstuffs, and the NRC study has provided a road map for a universally applicable monitoring system."

"A better integration of the regulatory system supervising both the feed industry and animal agriculture is needed. Indeed, a single agency could be responsible for the entire system," he argued.

The current system involves three agencies — the U.S. Department of Agriculture, the Food and Drug Administration, and the Environmental Protection Agency.

"Under the current system, it makes no sense that further-processed products with 2 percent [red] meat or poultry are inspected occasionally by the FDA, while the same product with 4 percent meat or poultry is inspected continually by the USDA."

"That the USDA and FDA maintain two separate sets of requirements for labeling and ingredients does nothing to aid the consumer in understanding what is happening with our food supply. It is more logical that all food products be under FDA regulations following slaughter done under USDA's control," he said.

— Yong H. Kim



# Polyester, plus prowess, improves athletic performance

Synthetic fibers used in women's stockings and girdles and in babies' diapers may be contributing as much to record-breaking athletic performances as do improved training techniques, according to a Cornell textile researcher.

Yet much of the often tradition-bound world of sports ignored synthetic materials until the late 1960s, when fashion favored synthetic knit fabrics and color television broadcasts begged for more brightly colored uniforms, Nancy Breen told the North American Society for Sport History's meeting at Capital University in Columbus, Ohio.

"It's just about impossible to know by how much nylon suits reduce a swimmer's time, for example," Breen said. "But when races are won and records broken by tenths of a second, I'd rather be wearing skin-tight spandex/nylon than something that's baggy and absorbs water."

Breen, a Cooperative Extension associate in the College of Human Ecology's Department of Textiles and Apparel, has spent more than five years analyzing uniforms in the halls of fame of baseball, basketball, football, tennis and the Olympics, as well as collecting samples of athletic clothing from manufacturers and photographs and videotapes of generations of athletes in action.

Breen's research is illustrated by hundreds of slides and soon will include a 30-minute videotape partially funded by grant from the New York State 4-H Foundation Inc. The research helps her to teach students about the strengths of various materials, that textiles are engineered for specific uses and that there are a number of advantages to often-ridiculed polyester, she said.

"As soon as I started talking about sports uniforms, the students paid more attention," said Breen, who spent eight years teaching an introductory textiles class at Syracuse University.

## Inspected Chamberlain's shorts

Using microscopes to study as little as one fiber from one thread of the clothing worn by Johnny Weissmuller, Wilt Chamberlain, Willie Mays and others, Breen has identified the fiber content of historical athletic apparel and documented changes in athletic wear.

At the Basketball Hall of Fame in Springfield, Mass., where uniforms are displayed on mannequins, Breen drew bemused looks from fans one summer as she thrust her hand inside Chamberlain's uniform; the best place to obtain a fiber sample without damaging the uniform is from an inside seam. "It must have looked a little odd," Breen said with a chuckle.

Man-made nylon, with strength and elasticity far surpassing natural fibers, was developed in the 1930s and had found limited use in bathing suits by the 1950s, Breen said. While nylon's advantages for swimmers quickly became obvious, most of the sports world looked askance at the material as being only for women's clothing, she added.

In 1959, Lycra spandex fiber was introduced by Du Pont as a synthetic substitute



**SWIMMERS IN SILK SUITS:** Members of the 1932 gold medal U.S. Olympic relay team pose for a picture by the pool in Los Angeles. The swim suits they're wearing are made of silk fibers, which absorb water, unlike the nylon suits worn today.

for rubber in women's girdles. But it took more than a decade for synthetic fibers to become the staple of athletic wear.

The major switch from natural fibers of woven construction — cotton and wool — to synthetic fibers of knit construction — nylon and polyester — did not occur in sports until the late 1960s and early 1970s, she said.

"Up to then, most athletes were dressed in cumbersome clothes that had to be baggy, because they wouldn't stretch. The material caught the wind like sails, and was hot and uncomfortable."

## Pirates first in knits

It wasn't until 1970, when the Pittsburgh Pirates wore knit uniforms at the opening of Three Rivers Stadium, with its plastic

grass and seats, that polyester arrived in major league baseball, Breen reported. By 1972, every major league team was wearing knits.

Today, when "polyester crowd" is a term of derision in fashion-conscious circles, skin-tight, brightly dyed synthetics are a mainstay in nearly all sports, Breen said.

Even in tennis, where cotton shirts remain popular because they are cool, a cotton/polyester blend is used for most shorts and skirts, Breen said. A few years ago, when Anne White wore a white, nylon body suit on a cloudy day at Wimbledon — a suit later banned as inappropriate — she was taking advantage of nylon's flexibility and low wind resistance, Breen pointed out.

Nylon's key disadvantage for athletes (except for swimmers) is that it does not

absorb moisture, trapping perspiration against the skin and leading many athletes to wear absorbent cotton T-shirts under their uniforms.

But that problem can sometimes be corrected by a new synthetic fiber, polypropylene, used in "stay-dry" baby diapers, Breen suggested. Polypropylene "wicks moisture away from the body, channeling it along the fibers from the side against the skin to the side away from the skin," she explained.

Polypropylene often is used in track-and-field uniforms, but not in sports such as skiing, because it does not stretch as well as other synthetics.

"There's no reason why polypropylene can't help keep both babies and athletes a little dryer," Breen said.

— Mark Eyerly

# Seismic profiling reveals details of continental stretching

Scanning the earth's depths using tiny man-made "earthquakes" as probes, Cornell scientists have discovered intriguing new geological structures beneath the state of Arizona, in the region where the North American continent is splitting apart.

These include a series of nearly horizontal parallel zones that may be detachment faults, or cracks where the continent is separating; and a rare offset of the "Moho." The Moho, short for "Mohorovicic discontinuity," is believed to be the boundary between the silica-rich earth's crust and the hot, silica-poor mantle beneath.

The new findings will help geophysicists understand the complex geology of the splitting of the continent. Such intracontinental extension is one of three basic tectonic evolutionary processes that continents undergo; the other two are collisions between continents and lateral slip between continents, as is occurring along the San Andreas Fault in California.

The Cornell scientists are Department of Geological Sciences Research Associate Ernie Hauser, Associate Professor Larry Brown and professors Sidney Kaufman and

Jack Oliver.

In a paper delivered May 18 at the spring meeting of the American Geophysical Union in Baltimore, Hauser described the results of "seismic profiling" studies along a 550-kilometer (342-mile) line in Arizona running from north of Winslow to near Parker on the Colorado River.

This east-west line traverses from the Colorado Plateau to the "basin and range" region of the western United States, straddling a north-south zone from Arizona to Oregon where the North American continent is pulling apart.

Seismic profiling consists of laying out long strings of seismic detectors, called geophones, along a line using special trucks to vibrate the ground and measuring the result reflections from subsurface features to make a "sound picture" of a slice of the earth's depths. The technique, widely used in oil exploration, is being applied by the Consortium for Continental Reflection Profiling (COCORP) at Cornell to reveal the structure of unexplored regions of the earth's crust throughout the United States.

The seismic profile across Arizona

revealed two features that may prove important to understanding what is happening beneath the earth as the continent splits. Beneath Bagdad, Arizona, the researchers detected a series of reflective layers, one above the other, ranging up to 18 kilometers (11 miles) deep in the earth.

These layers, revealed as bright reflections of the sound waves, could well be detachment faults, the extensional cracks that might develop as the continents pull apart, said the researchers. Another explanation the researchers considered is that the layers represent parallel intrusions of magma, or molten rock, from a nearby volcanic region. Volcanic activity and continental extension are commonly associated, said Hauser.

The researchers also detected an almost continuous line of reflection about 30 kilometers (19 miles) deep, at Moho depths. Although scientists know that such "reflection Mohos" represent some discontinuity in the lower crust where it meets the mantle, their exact nature is still unclear. The sound waves may be reflecting off a layer of crust sheared off the bottom, a layer of smeared out semi-molten mantle material, or a layer

of molten crustal rock that has been added as layers to the bottom of the crust.

The researchers said their data revealed an offset, or step, in the otherwise smooth, continuous Moho structure, which indicated some kind of disruption in the crust. They explained that this disruption may be related to the thinning in the crust as it is drawn out by continental extension. In any case, the offset is the first clear evidence ever obtained in COCORP data of an offset in the reflection Moho.

"These new findings of structure in the crust and reflection Moho are critical pieces of data to help us build more realistic theories of crustal extension," Hauser said. The various theories about what happens deep within the earth as the continents separate differ importantly in how the lower crust behaves. The theories hold variously that the crust may flow in a semiliquid manner, or may separate along a discrete, deeply penetrating fault zone. Or the crust may flow as a complex mix of the two, said Hauser, "perhaps like a pile of wet fish sliding apart."

— Dennis Meredith



# Teaching awards given to outstanding faculty

## Andrea Parrot, Distinguished Teaching Award, College of Human Ecology

Andrea Parrot, lecturer in the Department of Human Service Studies, is this year's recipient of the College of Human Ecology's Distinguished Teaching Award, which is co-sponsored by the Alumni Association of the College and Omicron Nu Honor Society.

Juniors and seniors in Human Ecology voted Parrot the professor who has shown "outstanding ability in teaching and advising as well as a sincere concern for students."

Parrot, who has been a member of the Cornell faculty for the past seven years, focuses her work on acquaintance rape prevention and human sexuality. She teaches a course called "Human Sexuality and Social Policy" that is taken by up to 1,000 students a year. She also teaches a women's self-defense course and human sexuality courses at the graduate level, including a class on sexual assault educational programs and prevention strategies. And she teaches two other undergraduate courses, "Health Care Services and the Consumer" and "The Ecology and Epidemiology of Health."

One student said of her, "She is a great educator about a topic people don't ever discuss."

Another said, "Her insightful, innovative teaching and research brought national attention to Human Ecology through 'Sex at Seven,' a reference to the educational program conducted with Theatre Cornell."

Besides teaching here, she is also a clinical assistant professor of psychiatry at the Upstate Medical Center in Syracuse where she teaches a medical school course on human sexuality.

## Ari van Tienhoven, Professor of Merit Award, College of Agriculture and Life Sciences

Ari van Tienhoven, professor of animal physiology and poultry and avian sciences, was honored by seniors in Ho-Nun-De-Kah, the Agricultural College Honor Society, for his outstanding teaching and advising.

Van Tienhoven, who has taught here for the past 32 years, has made a reputation teaching a bioscience course, "Comparative Physiology of the Reproduction of Vertebrates."

One student wrote of him, "Unlike other science teachers I have had, he stresses thinking as the most important aspect of learning, not rote memorization."

Another wrote, "His ability to motivate students to learn for their own interest and not just for class material is incredible."

A third wrote, "He is known for his fairness and often [he gives] credit for answers that are not technically correct but obviously demonstrate understanding of the material."

In 1984-5, van Tienhoven was awarded the College's Edgerton Career Teaching Award, an honor that is accompanied by an award of \$1,000. This year's Edgerton Career Teaching Award will be announced June 13.

## Paul VanDemark, Chancellor's Award for Excellence in Teaching, College of Agriculture and Life Sciences

Paul Van Demark, professor of microbiology and a member of the Cornell faculty since 1950, is among 47 educators cited this year by the State University of New York for excellent performance.

Department Chairman Robert P. Mortlock noted in nominating Van Demark for the award that he has taught introductory microbiology to "literally, generations of students, many of whom have gone on to distinguished careers in science and medicine themselves."

"Those of us who have taught large classes realize the quality of instruction can decrease as class size increases. An example of Dr. Van Demark's dedication to excellence in teaching is demonstrated by the fact that as the spring enrollment in introductory microbiology continued to grow, [he] voluntarily divided the course into two sections . . . In doing this he doubled the number of lectures he must offer but was able to maintain enrollment for each section under 200 for the benefit of the students."

Earlier this year, Van Demark was selected to receive the 1987 Carski Foundation Distinguished Teaching Award from the American Society for Microbiology.

## Harry D. Conway, Excellence in Teaching Award, College of Engineering

Harry D. Conway, professor of theoretical and applied mechanics, has received this year's Excellence in Teaching Award from the College of Engineering.

A specialist in structural mechanics and lubrication and a member of the engineering faculty for the past 40 years, Conway teaches "Mechanics of Solids," the basic undergraduate course taken by students in his field. While he also teaches graduate courses, it is his influence as a teacher of undergraduates that has earned him a reputation as an exemplary teacher.

Dedicated to teaching above all else, he is thought to be accessible, his office door is always open, and he is a professor whom returning alumni often ask about.

Conway has been a Guggenheim Fellow and a National Science Foundation Senior Postdoctoral Fellow.

The College's Excellence in Teaching Award is sponsored by the Cornell Society of Engineers, an alumni group, and by the Cornell chapter of Tau Beta Pi, a national student honorary society in engineering. Students nominate the winners. The prize carries a \$1,500 award.

*Continued on page 8*

## Top young agricultural educator focuses on computer applications

To H. Dean Sutphin, the similarities between teaching high school students in southern Virginia and teaching college students in upstate New York are greater than one might think.

For one thing, high school teacher Sutphin was named Virginia's top young agricultural teacher in 1977; Cornell assistant professor Sutphin was tagged as the nation's top young agricultural educator in 1986.

For another, "This is a much higher level, but Cornell's students have some of the same qualities of my high school students," explained the 37-year-old educator. "They respond to individual attention, to people who care about them, to an open door. They enjoy some humor in the classroom and working together, and they enjoy a challenge."

"And I really enjoy the students here."

The feeling must be mutual, at both levels. Consider that:

- In Sutphin's Virginia school district, administrators were advised against including a large area for agricultural education in a new high school because only 40 of about 1,100 students were expected to take ag ed. Three years later, 280 students, including 90 percent of the honor society and some classes of mostly college-bound pupils, were taking agricultural courses, Sutphin said.

- At Cornell, more than 400 students tried to register for 150 openings in Sutphin's course on instructional applications of microcomputers for the spring 1987 term, a course he began teaching two years ago with only four students, he added.

**"People tend to forget that college freshmen are only three months away from high school,"**

— H. Dean Sutphin

Sutphin's experiences as a high school teacher, a college educator and a researcher are mutually reinforcing, he emphasized during an interview. "People tend to forget that college freshmen are only three months away from high school," he said.

Having been a secondary school teacher helps him prepare tomorrow's teachers. His research yields new lessons for his college classroom. And the projects conducted by his Cornell students often take the form of experiments that advance his research.

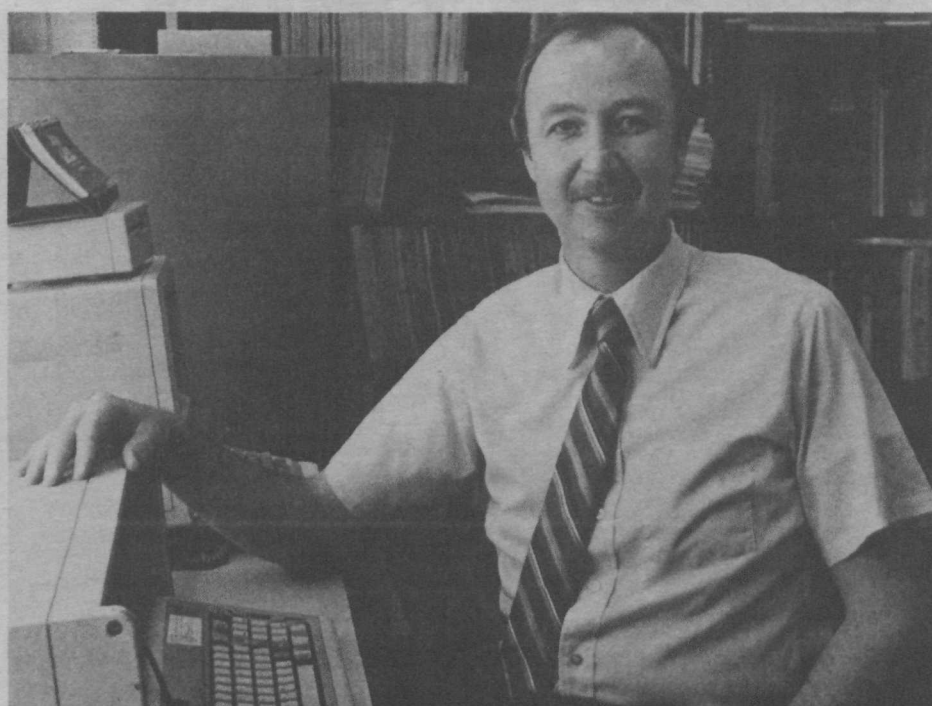
In one project, for example, students who were asked to search manually through a library card catalogue to find sources for a paper found one relevant source for every 25 minutes of searching; students who used optical scanning computer technology found one relevant source every minute, on average.

In an article he wrote for the February 1987 issue of Technological Horizons in Education, Sutphin presented a conceptual model for using computers in instruction and stressed the role of computers in enhancing learning. But he also warned against "over-use, misuse and ill-conceived uses of the technology in education."

Many of Sutphin's students seem to think he has found the right approach to computers in the classroom. "Create another course to follow this one," a student wrote in a year-end evaluation form. Another wrote: "I wish I could have taken it freshman year, since so much of it was useful." And from another: "Professor Sutphin is a dynamic, interesting and amusing professor."

Sutphin teaches courses in research methodology, curriculum development, the application of computers to education and other topics as an assistant professor of education. Computer applications in teaching and in agriculture are at the center of much of his work.

He titled a 1985 article for The Agricultural Education Magazine, "The Teacher of the Future: Manager of Technology." He has studied changes in student performance when pupils are given access to a computer system that provides up-to-the-minute news



Claude Levett

H. Dean Sutphin in his office in Roberts Hall.

of agricultural prices and weather conditions from around the world. He is co-director of a program, recently awarded funding by the President's Fund for Educational Initiatives at Cornell, that will provide a computer laboratory and instructors in a dormitory on campus in an attempt to improve computer literacy and writing skills.

Sutphin's teaching and research won him the designation of the nation's leading young agricultural educator from the National Association of Teacher Educators in Agriculture.

As a rural Virginia youth, Sutphin wanted to be a mathematics teacher until his senior year in high school, when he replaced a study hall with his first agricultural course.

"I was hooked by the hands-on activities that were central to the class," Sutphin recalled. "I began to realize how abstract most of the math and science courses were. Agricultural education integrates math and science to present them in a meaningful way, in real-life situations."

He studied agricultural education at Virginia Tech and returned to his home town to teach, spending six years in the high school classroom before accepting a one-year lecturing position at his college alma mater. That experience was enough to whet his appetite for a career in higher education. After earning a doctorate from Ohio State University, he joined the Cornell faculty in 1982.

He is an enthusiastic supporter of agricultural education, and peppers his comments with expressions of concern about the future of ag ed in secondary schools.

"To some people, vocational education has an image of being more work than learning, more doing than thinking, and of catering to a lower-academic-ability student," he said.

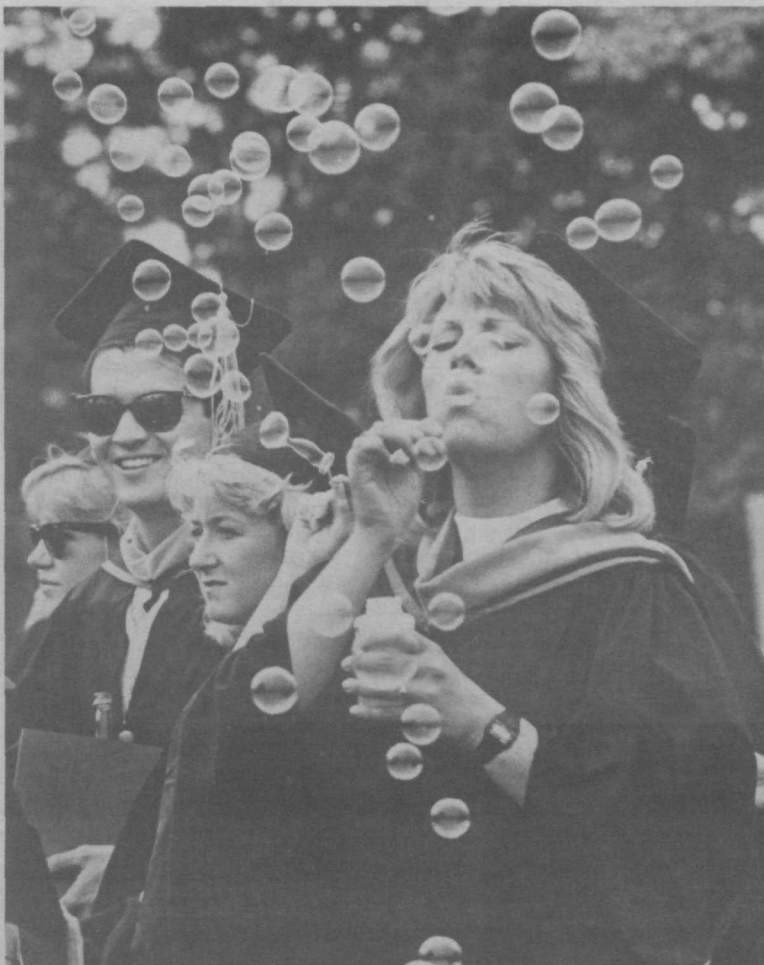
"But ag ed should be for the academically talented as well as for those less academically inclined," he added. "When taught well, it provides an academic science course in tandem with a hands-on technology course, teaching problem-solving, critical thinking and leadership."

— Mark Eyerly



# Cornell Commencement 1987

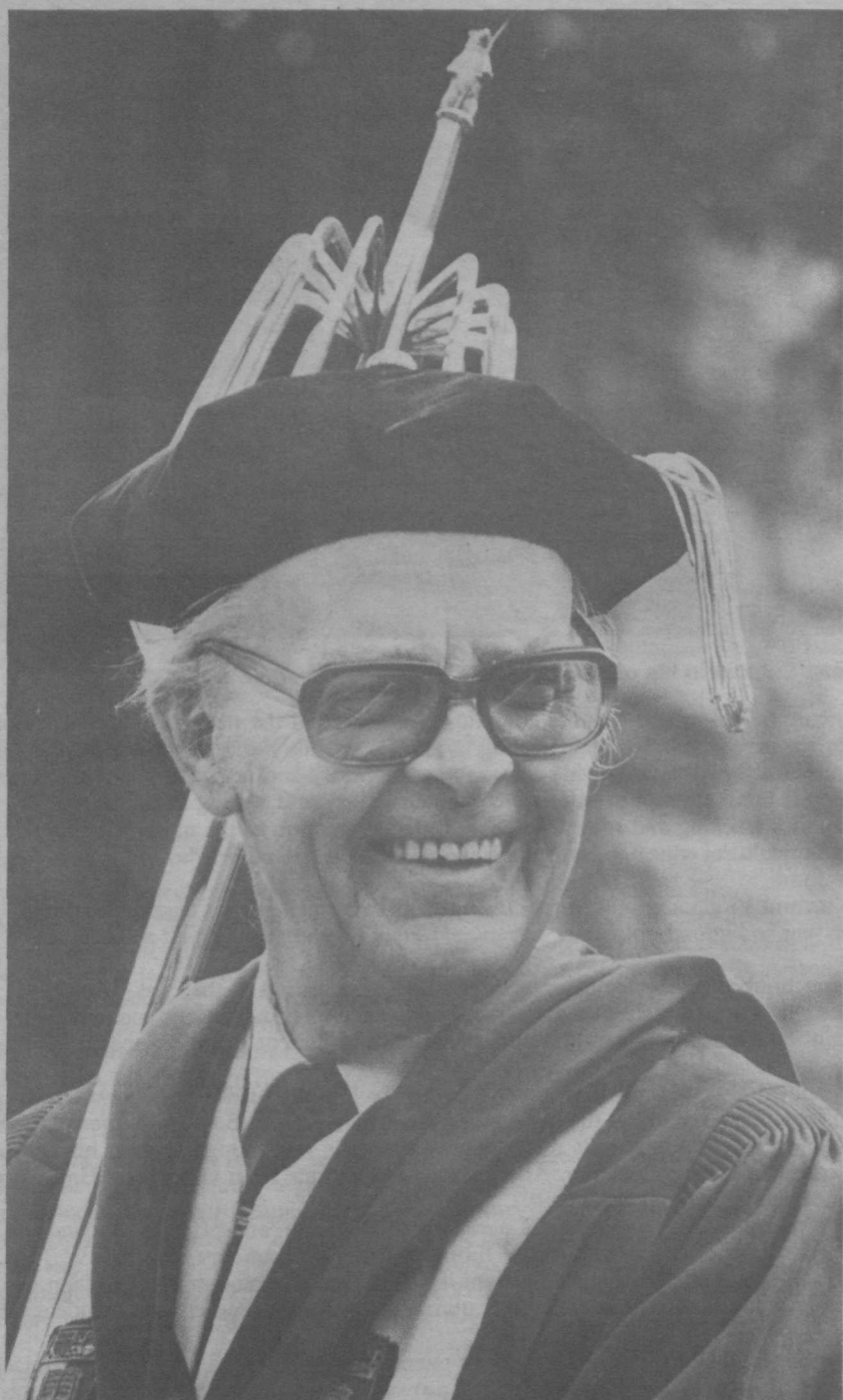
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Charles Harrington and Doug Hicks



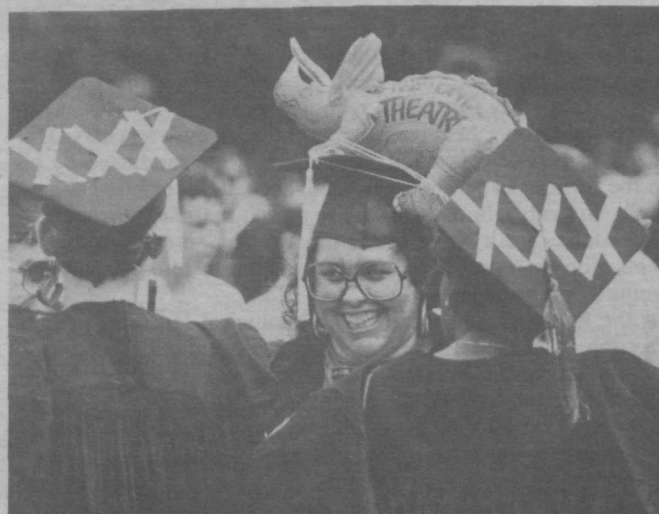
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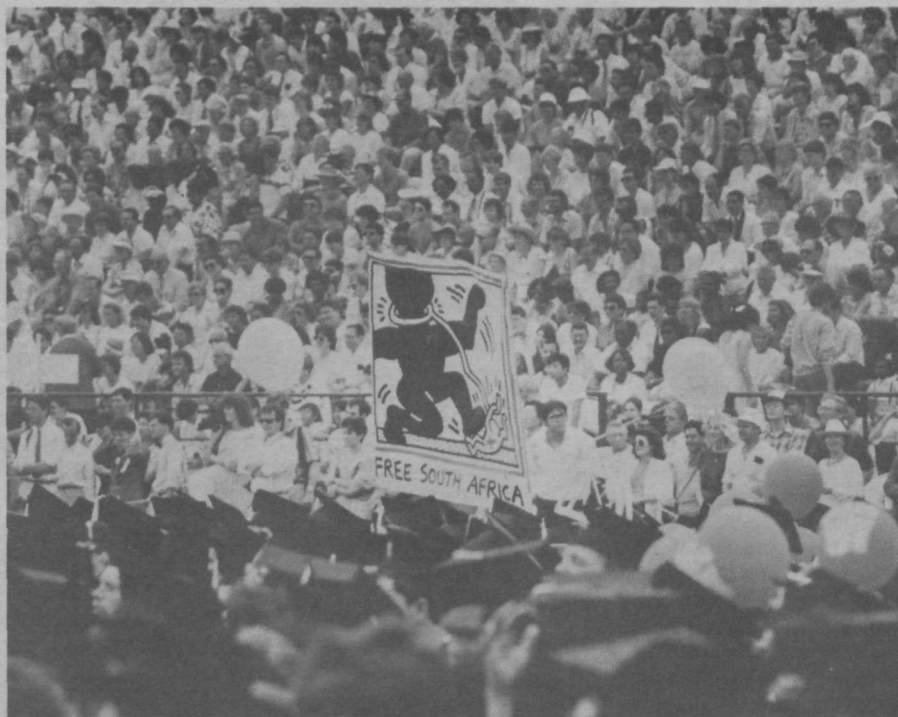
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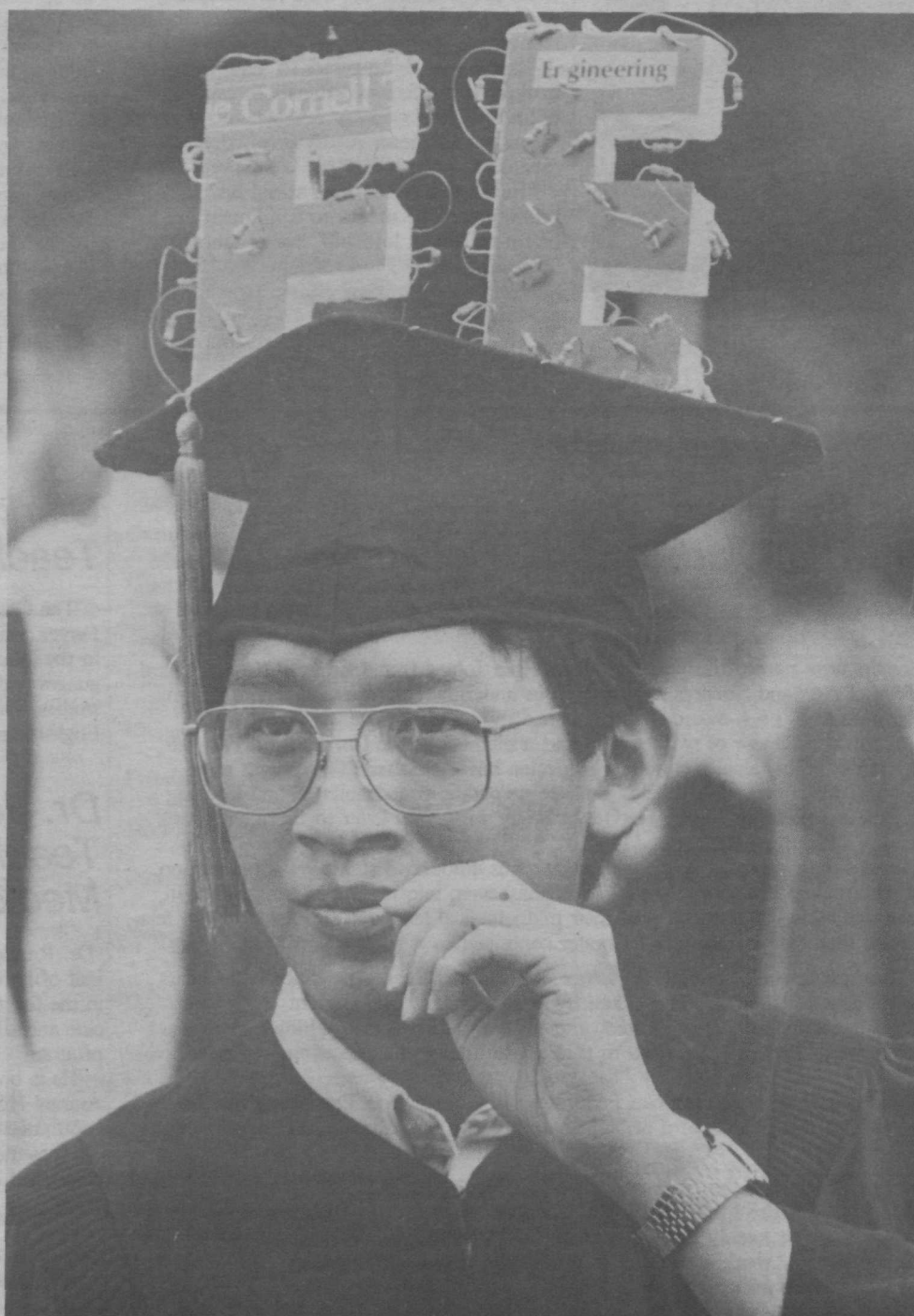
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## Cuomo urges class to share national dream

Gov. Mario Cuomo, guest speaker at this year's convocation ceremonies, urged Cornell graduates to strive for more than the trappings of personal success as they define their life's ambitions. He urged them also to help extend the franchise of the American dream to include all Americans.

"Ladies and gentlemen of Cornell, you can have it all — the whole dream. You can have it all, and not pay it back. But you can do more than that," he told them.

In setting lifelong goals, Cuomo suggested following the principles of good writing as laid down by Cornell faculty member William Strunk and his student E. B. White, a Cornell alumnus, in their slim manual, "The Elements of Style."

- "When making plans or dreams, choose a suitable design and stick to it," the governor said. "Demonstrate that you know how to finish what you've begun . . . Hold to the design and the dream of equality, life and liberty. America began as a promise and as a bold design. This country is the longest running democracy in history precisely because of that design."

- "Put statements in a positive form." The messages from Washington these days are couched in seemingly optimistic language but they are essentially negative, Cuomo said. One in every four children in the United States is raised in poverty, and



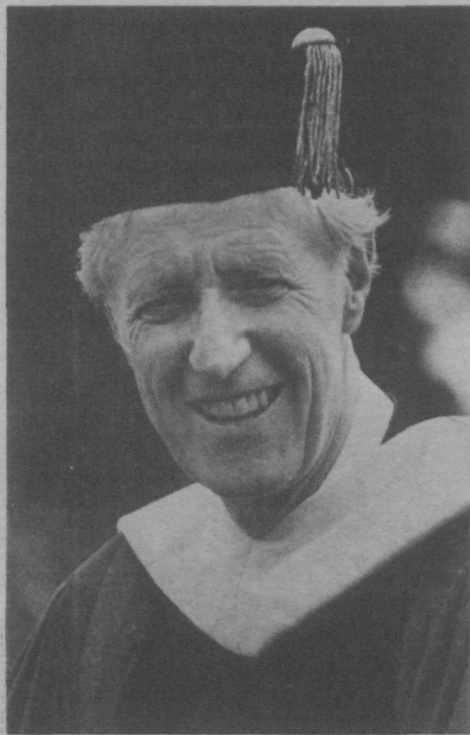
Doug Hicks

Gov. Mario Cuomo and a throng of supporters asking for autographs and a word or two from the convocation speaker as he made his way through Barton Hall.

the rate is one in every two for minority children, Cuomo continued. "We're told we must accept more hungry and more illiterate people, and Washington tells us there's nothing we can do about it . . . In the language of opportunity, in practice, they're retreating from the American promise and goal."

- "Use the active, not the passive, voice." Make the future happen, rather than waiting for it to happen to you, Cuomo urged. "Refuse to settle for an America that reacts to problems instead of acting on them to make changes for the better. No one built this country for us; we built it for ourselves," Cuomo said, adding that it has

become an American tradition to help the less fortunate and the downtrodden. Government has played and continues to play an important role in extending an hand, Cuomo said, because government is "the way in which the people express their morality in a hard, tangible and effective form."



Frank H. T. Rhodes

## Rhodes tells grads: Ends don't justify means

President Frank H. T. Rhodes imparted what he called "last-minute advice" to Cornell's graduates May 31 as he delivered the university's commencement address.

He used the opportunity to debunk three "myths" about the world beyond Cornell: first, that the real world is a place where the ends justify the means.

"Ivan Boesky, before his fall, reportedly told students at Berkeley, 'Greed is all right, by the way. I want you to know that. I think greed is healthy. You can be greedy and still feel good about yourself,'" Rhodes recounted.

"But from televangelists to Wall Street brokers, from federal officials to aspiring politicians, the message is the same: 'Worthy ends never justify unworthy means.'

"In the real world, one social law is immutable: The means to fulfillment are to be found not in lordship, but in labor; not in power, but in service," Rhodes said.

Myth Number Two: that reason won't get you very far.

"Here you have met socialists and capital-

ists, atheists and fundamentalists, mystics and members of the Flat Earth Society," Rhodes said. "A pantheon of gods, both true and false, compete for faith and funding from the Student Finance Commission. But how do you decide whether these glittering opportunities will lead you into the Promised Land or into a Faustian bargain?"

"The choice of what to believe and what to reject, what to do or not do, is fundamentally a personal one. But not all views or options are equally praiseworthy. The real world, like the campus, is full of seductive nonsense, and nonsense cloaked in high-sounding scholarly language is still nonsense."

Students have learned at Cornell to make choices by evaluating options, setting goals by thinking through their consequences and functioning within the realm of reason, Rhodes said.

The third myth: that the secret of success is absolute single-mindedness.

"We have all heard much lately about the single-mindedness vocationalism of today's students; about how much they dismiss

altruism and social concern as unproductive sentiment; how they focus exclusively on career, power, status and money; how they are spoiled brats committed to beach vacations, expensive cars and stereos, but negligent in repaying student loans," Cornell's president said.

"That description hardly applies to most students I know at Cornell. Despite academic pressures, you have helped international students and their families learn English, given love and friendship to children on Ithaca's South Side, contributed to a host of charitable causes — and you have done those things not to pad a resume or even to test potential careers, but for the satisfaction of serving a worthwhile cause.

"I hope that zest for living, and for giving yourself to others, will accompany you on the continuing journey. For if you mortgage all your todays for some vague and gossamer tomorrow, you may find, in the end, that life's greatest joys and satisfactions have eluded you."

### Teaching Awards *Continued from page 5*

#### Kenneth S. Brown, David Gries and Paul Sawyer, The Clark Award, College of Arts and Sciences

Three professors were named this year's winners of the John M. and Emily B. Clark Award from the College of Arts and Sciences for expertise in undergraduate teaching. The selections were made by committee. Each award is accompanied by a \$3,000 prize.

Kenneth S. Brown, professor of mathematics and a member of the Cornell faculty for 16 years, teaches the freshman calculus course, which often has more than 200 students in it.

"Students taking this course have widely disparate preparations and abilities, and teaching them requires skill and patience," Dean Geoffrey Chester wrote in a letter to President Frank H.T. Rhodes about the three winners.

"Brown possesses these qualities, along with a generous amount of subtle wit, organization, erudition and enthusiasm. Most importantly, he establishes an informal, open atmosphere in the classroom which allows students to shed their mathematical fears and understand, with relative ease, complex mathematical theories," Chester continued.

David S. Gries, professor of computer science, who joined the Cornell faculty 18 years ago, also teaches a large lecture course, taken by approximately 500 students each year.

"His lectures are clear and well-organized, and his commitment to teaching and to his subject inspire students to work hard and to think with clarity and precision," Chester wrote.

Last year, Gries received the American Federation of Information Processing Societies' Education Award "in recognition of a brilliant career which has educated the computer scientists of the future."

Paul Sawyer, a member of the English department faculty for the past 12 years, teaches a variety of courses from Freshman Seminars to advanced courses in Victorian literature.

"At all levels, Sawyer is keenly interested in improving students' writing, and he spends much of his teaching time working toward this end. The result, judging from the many student letters written in Sawyer's behalf, is stunning," according to Chester.

"Students appreciate Sawyer's efforts to help them find their own 'voice,' and to lead them toward a writing style that is both personal and forceful, and to recognize the power of language. Years after having left Cornell, many students comment that they value Sawyer's course(s) more than any others," Chester concluded.

#### Clark Distinguished Teaching Awards for Teaching Assistants

The Clark Distinguished Teaching Award for Lecturers was given this year to Martha F. Ferger, who teaches biochemistry. And the Clark Awards for Teaching Assistants were given to the following graduate students: Lars M. Bildsten, physics; Eliane Dal-Molin, modern languages and linguistics; Keith Dienes, physics; Stuart Harten, history; Carl Mentley, Romance studies; Thomas Neils, chemistry; Sam Otter, English; Adela Pinch, English; Alison Salisbury, English; and Renee Zakia-O'Donnell, modern languages and linguistics.

#### Dr. John Randolph, Norden Distinguished Teacher Award, College of Veterinary Medicine

Dr. Randolph, who has been a member of the faculty since 1981, currently spends more than half of his time on the medicine service of the small animal clinic, where he supervises students in the fourth year clinical rotation. He also give lectures in the small animal and general medicine and surgery courses, required in the professional doctor of veterinary medicine degree program.

He is board certified by the American College of Veterinary Internal Medicine, the American Animal Hospital Association faculty representative from the College, and he serves on the committee on student conduct here.

He is the supervisor of the small animal and intensive care unit summer crews, which are comprised of students, and he is co-chairperson of the Senior Animals Veterinary Endowment Fund.

The College of Architecture, Art and Planning will award its Burnham Kelly Distinguished Teaching Award to a professor of city and regional planning this year. The award will be presented at the first faculty meeting in the fall.

The School of Hotel Administration, the School of Industrial and Labor Relations, the Johnson Graduate School of Management and the Law School did not give teaching awards.



# 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.

Notices must be received 10 days prior to publication and must 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

### Cornell Folkdancers

The Cornell Folkdancers will meet every Sunday from 7 to 9:30 p.m. in the North Room of Willard Straight Hall during June, July and August. Call 257-3156 for more information.

## 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 York State Printmakers** As part of the New York State Artists Series, the works of six printmakers living and working in New York State will be displayed through July 5. The artists whose works will be shown in the exhibition include: J. Catherine Bebout, Nancy Friese, Charles Heasley, Alleyne Howell, Judy Natal and William Schade.

**Elements of Nature: Watercolors by Kenneth Evett** Watercolors inspired by Evett's travels to Europe, the Mediterranean, the Maine coast and the American West will be featured until June 28. Evett is an emeriti professor in the Department of Art.

**Class of 1922 Crafts Exhibition and Class of 1962 Photography Exhibition:** Works drawn from the museum's permanent collection including crafts and photographs purchased through Cornell class funds will be on display during reunion weekend.

**Gallery Reopened:** The George and Mary Rockwell Galleries of Asian Art on the fifth floor are now open to the public with the exceptions of a few galleries that are still being renovated.

### Hartell Gallery Exhibition

**Landscape Paintings by David Davis '27:** Displayed in the John Hartell Gallery, Sibley Dome, June 11 and 12 from 8 a.m. to 4:30 p.m. Davis is a graduate of the College of Architecture, Art and Planning and a former landscape architect.

### Whittaker Seminar Room

**Botanical drawings and watercolors,** by Carl Whittaker, in the R.H. Whittaker Seminar Room, Corson Hall, Monday through Thursday 8 a.m.-4:30 p.m.; Fridays 8 a.m.- 4 p.m.

## FILMS

Unless otherwise noted, films are sponsored by Cornell Cinema. An (\*) indicates that admission is charged. "Limited" means that the film is limited to members of the Cornell community.

### Thursday, 6/11

"The Little Foxes" (1941), directed by William Wyler, with Bette Davis and Herbert Marshall, 8 p.m., Uris Hall, limited.\*

### Friday, 6/12

"Network" (1976), directed by Sidney Lumet, with Faye Dunaway, William Holden, and Peter Finch, 10 p.m., Uris Hall, limited.\*  
 "The Passenger" (1975), directed by Michelangelo Antonioni, with Jack Nicholson, Maria Schneider, 7:30 p.m., Uris Hall, limited.\*

### Saturday, 6/13

"Network," 7:30 p.m., Uris Hall, limited.\*  
 "The Passenger," 10 p.m., Uris Hall, limited.\*

### Sunday, 6/14

"My Fair Lady" (1964), directed by George Cukor, with Rex Harrison, Audrey Hepburn, and Stanley Holloway, 8 p.m., Uris Hall, limited.\*

### Monday, 6/15

"Red Beard," (1964), directed by Akira Kurosawa, with Toshiro Mifune, Yuzo Kayama, 8 p.m., Uris Hall.\*

### Tuesday, 6/16

"Stage Fright" (1950), directed by Alfred Hitchcock, with Jane Wyman and Marlene Dietrich, 8 p.m., Uris Hall.\*

### Wednesday, 6/17

"To Kill a Mockingbird" (1962), directed by Robert Mulligan, with Gregory Peck and Mary Badham, 8 p.m., Uris Hall.\*

### Thursday, 6/18

"Shadows of Forgotten Ancestors," (1964), directed by Sergei Paradjanov, with Ivan Nikolaichuk and Larisa Kadochnikov, 8 p.m., Uris Hall.

### Friday, 6/19

"The Killing Fields" (1985), directed by Roland Joffe, with Sam Waterston and Haing S. Ngor, 10 p.m., Uris Hall.\*  
 "Body Heat" (1985), directed by Lawrence Kasdan, with William Hurt, Kathleen Turner, and Richard Crenna, 7:30 p.m., Uris Hall.

### Saturday, 6/20

"The Killing Fields," 7:30 p.m., Uris Hall.\*  
 "Body Heat," 10:15 p.m., Uris Hall.

### Sunday, 6/21

"The Falcon and the Snowman," (1985), directed by John Schlesinger, with Sean Penn and Timothy Hutton, 8 p.m., Uris Hall.\*

### Monday, 6/22

"Hiroshima Mon Amour" (1959), directed by Alain Resnais, with Emmanuelle Riva and Eikji Okada, 8 p.m., Uris Hall.

### Tuesday, 6/23

"High Noon" (1952), directed by Fred Zinnemann, with Gary Cooper and Grace Kelley, 8 p.m., Uris Hall.

### Wednesday, 6/24

"Reggae Sunsplash," (1981), directed by Stefan Paul, with Bob Marley, Peter Tosh and Burning Spear, 8 p.m., Uris Hall.

### Thursday, 6/25

"Devi (The Goddess)" (India 1960), directed by Satyajit Ray, with Soumitra Chatterjee, 8 p.m., Uris Hall.

## LECTURES

### Alumni Reunion Weekend Lecture

"Britain, the European Community and the United States," former British Prime Minister Edward Heath, June 12, 4 p.m., Bailey Hall. The lecture is not open to the general public.

## MUSIC

### Bound for Glory

**Records from the Studio,** June 14 and 21, Commons Coffeehouse, Anabel Taylor Hall.

### Cornell India Association

"Mandolin" U. Srinivas, a child prodigy, will give an Indian classical music concert with Guru R. Subbaraju, A. Kanyakumari on violin and S. V. Rajarao on mridangam, June 11 at 7:30 p.m. in Barnes Hall auditorium. Admission is \$4 for members; \$5 for non-members and tickets are available at Sangam Restaurant or by calling 255-3420.

### Cornell Plantations

**Twelfth Annual Allan H. Treman Memorial Concert** will be held at Jackson Grove in the F.R. Newman Arboretum, Cornell Plantations, June 13, 2:30 p.m.

Featuring a cappella renditions of traditional Cornell songs by the Hangovers, a group of alumni and student members of the Cornell University Glee Club. Free round trip bus transportation will be provided to the concert from Barton Hall, with buses departing at 2 p.m., and returning at 3:30 p.m. Limited parking. In case of rain the concert will be held in Uris Hall. The event is free and open to the public.

### Herbert F. Johnson Museum of Art

**Carl Johengen,** a recent M.A. graduate from the Music Department at Ithaca College, will give a recital June 13 and 14, 3 p.m. at the Johnson Museum. Johengen will be accompanied by pianist Richard Montogomery, vocal coach/accompanist at Ithaca College.

## RELIGION

### Catholic

Mass: Saturday, June 13 at 5 p.m. and Sunday, June 14 at 10 a.m.; every Sunday, June 20 through Aug. 16, 10 a.m., Anabel Taylor Auditorium.

### Episcopal (Anglican)

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

### Friends (Quakers)

Summer meetings for worship, 10:30 a.m., Hector Meeting House, Perry City Road.

### Jewish

Morning Minyan: Young Israel House, 106 West Avenue. Call 272-5810.

Conservative/Egalitarian Services: Friday 7:30 p.m., Anabel Taylor 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.

Reform Services: Friday evenings 5:30 p.m., Anabel Taylor Chapel.

### Korean Church

Every Sunday, 3 p.m. Anabel Taylor Chapel.

### Muslim

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

### Protestant

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

### Zen Buddhism

Zazen meditation: every Thursday 5:10 p.m., Anabel Taylor Chapel. Beginner's instruction every Tuesday 6:30 p.m., at Ithaca Zen Center, 312 Auburn Street. For more information call 277-4364.

## SEMINARS

### Plant Breeding and Biometry

"Applications of Linear Models in Medical and Experimental Research," Jorg Kaufmann, senior biostatistician at Schering Aktiengesellschaft, West Berlin, Germany, June 17, June 24, July 1, and July 8, 10 a.m., 345 Warren Hall.

### Liberty Hyde Bailey Hortorium

"Systematics and Evolution of Palms," an international symposium, June 19-20, to commemorate the 50th anniversary of the Hortorium and the publication of "Genera Palmarum, A Classification of Palms Based on the Work of Harold E. Moore Jr." The symposium will focus on new research in the taxonomy, systematics and utilization of palms. Some 24 speakers representing 11 countries will participate. Registration June 18, 5 to 8 p.m.



## MISC

### Reunion Run

The Annual Cornell Reunion Run will be held June 13, 8 a.m., beginning at East Avenue in front of Lincoln Hall. Registration will be held in Barton Hall June 12, 11 a.m. to 2 p.m. There will be a \$6 entry fee and awards will be presented. Call 255-4850 for further information.

### Alternatives Library

Located in 122 Anabel Taylor Hall, this library contains more than 5,000 books, 180 periodicals and 350 tapes and slide shows on topics of individual, social and ecological transformations. Areas include eco-justice, holistic health, Native Americans, sustainable agriculture, appropriate technology, gay issues, political and economic analysis, and spirituality and mysticism.

### CUSLAR

Committee on U.S./Latin American Relations meets at 5 p.m. on Mondays in the Commons Coffee House. For more information call 255-7293.

### Fuertes Observatory

Fuertes Observatory, located on the hill behind Helen Newman Hall, will be open to the public every clear Friday night this summer from 8 p.m. until midnight. Call the observatory at 255-3557 after 8 p.m. on clear Fridays for more information.



# Job Opportunities

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.

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

-Requests for referral and/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, Cornell's computerized info service.

## Administrative and Professional

Minimum salaries listed are for recruitment purposes only.

### VICE PRESIDENT & TREASURER (PA203) Vice President & Treasurer

Serve as principal financial officer of University providing leadership to assure effective policies & programs in financial operations & financial information & control, asset & liability mgmt., & development of capital & financial plans. Responsible for: Treasury & Trust Operations, Controller, Internal Audit, Investments, Risk Management & Insurance & Real Estate.

Req.: Broad based experience as a senior executive with proven managerial knowledge & competence in diverse areas of financial mgmt. Must demonstrate executive accomplishments in complex & highly decentralized environment. Strong leadership & communication skills essential plus ability to work with diverse population. Send cover letter & resume to James E. Morley, Jr., Sr. VP, 314 Day Hall, Cornell University.

### TEACHING SUPPORT SPECIALIST (PT2105) Animal Science

Support, assist & organize dept'l. teaching activities especially in physiol. & nutrition with specific resp. for lab. prep. & delivery.

Req.: BS in animal sci. or animal bio. Exp. in visual comm. or teaching techniques or prior exp. as teaching asst. useful. Send cover letter & resume to Judi Pulkinen by 6/26.

### ASSISTANT TO THE DEAN (PC2120) Graduate School

Handle corresp., appts., travel review of tenure folders, exchange programs with People's Republic of China, South Africa & numerous other countries; arrangements for visitors, special events; preparation of special reports, coordination of financial support to fields & colleges.

Req.: BA/BS or equiv. Min. 2-3 yrs. executive staff support desir. Working knowl. of PC's. Foreign exp. Send cover letter & resume to Esther Smith by 6/25.

### ASST. DIR., ATHLETIC PROGRAMS (PA2107) Physical Education & Athletics

Assist Assoc. Dir. of Athletics with daily operation of intercollegiate athletics dept. Responsible for assisting with scheduling, NCAA & Ivy League eligibility, & budget prep. Service as admin. staff at athletic events & perform other duties as assigned.

Req.: BS, MS pref. in sports admin. or related field. Must have exp. in intercollegiate athletics as staff, coach or participant. Exc. org. & comm. skills req. Successful work exp. in athletic setting pref. Familiar with NCAA & Ivy League rules & regulations pref. Send cover letter & resume to Search Committee: Asst. Dir., Athletic Programs.

### ASSISTANT COACH (P2101) Physical Education & Athletics

Assist Head Coach of Men's Crew in planning & execution of Ivy League intercollegiate program. Responsible for recruiting both on & off campus, supervising practices, organizing team meetings & races. Instruct Physical Education classes as assigned.

Req.: BS in Phys. Ed. or related field. Must have proven success in coaching, recruiting, & working well with college age students. Must have classroom teaching exp. Send cover letter & resume to Search Committee: Men's Crew.

### ASST. DIR., COUNSELING & ADVISING (PA2108) Office of Minority Affairs

Provide assessment of present & developing Univ. counseling & advising services as they affect minority students. Develop program for the Office of Min. Ed. Affairs that provides the best opportunities for minority students within the Univ.

Req.: MS or equiv. in guidance & counseling or related field. 3 yrs. exp. in counseling, social work, or psychology. Prefer documented exp. in counseling minority students in higher ed. Send cover letter & resume to Cynthia Smithbower by 7/1.

### DIRECTOR OF ADMISSIONS (PC2103) Graduate School Admissions

Assume responsibility for Graduate Admissions Office. Evaluate foreign credentials; review folders of applicants recommended for acceptance; monitor language & financial requirements of foreign applicants; provide info. to fields & applicants regarding process & policies; assemble statistical info. on applicant pools; coord. with national & international sponsoring agencies & foreign embassies; maintain liaison with International Students & Scholars Office; assume overall responsibility for effective office function.

Req.: Graduate degree pref. Admissions exp. Exp. with PC's & mainframe data base. Knowl. of foreign educational systems desirable. Send cover letter & resume to Esther Smith by 6/25.

### RESEARCH SUPPORT SPECIALIST III (PT2106) Agricultural Economics

Conduct research in agric. finance & investment behavior, incl. design or research, data collection, analysis & report prep.

Req.: MA in Ag. Econ. or related field. Farm background & agricultural finance exp. pref. Send cover letter & resume to Dr. E. LaRue, Ag. Econ., 155 Warren Hall by 7/1.

### RESEARCH SUPPORT SPECIALIST II (PT208) Physiology

In collaboration with principal investigator, design & conduct exp. directed towards cloning & characterization of intestinal cDNAs & genes;

study of control of gene expression during development & differentiation of intestinal epithelium. Prepare & co-author publications.

Req.: MS in bio. with emphasis in biochem. & molecular bio. or genetics or equiv. Exp. in recombinant DNA techniques (mRNA purification, DNA cloning & sequencing, etc.) req. Send cover letter & resume to Judi Pulkinen by 6/19.

**SYSTEMS ANALYST III (PT2011) Agronomy**  
Manage, operate & maintain PDP-11 & MicroVax minicomputers for Meteorology Unit. Update systems software, design & program applications software, recommend equip. purchases & arrange maintenance, serve as computer consultant for staff & students.

Req.: BA major or minor in computer sci. incl. course work in computer operating systems & assembly language programming. Knowl. of computer equip. & operating system org. of minicomputers. Some application programming exp. in Fortran or other high-level language. Send cover letter & resume to Judi Pulkinen by 6/19.

### RESEARCH SUPPORT SPECIALIST I (PT205) Ecology & Systematics

Participate in research on field ecology & epidemiology of insect-transmitted diseases of plants. Tasks include developing & conducting field & lab experiments, maintenance of insect colonies & data analysis. Some weekend work.

Req.: BS or MS in bio., entomology, plant path. or related field or equiv. Field & greenhouse exp.; knowl. of ecology & agriculture. Statistics & computer use, with reference to biological or agronomic data. Send cover letter & resume to Judi Pulkinen by 6/19.

### SYSTEMS PROGRAMMER/ANALYST III (PT204) Theory Center

Resp. for analysis of scientific codes for researchers using CNSF, incorporating parallel processing, vectorization, numerical methods, & other computational techniques.

Req.: BA or equiv. 3-5 yrs. programming exp. Demonstrated ability to work in scientific or large-scale computing environ. IBM VM/CMS & Fortran exp. desir. Send cover letter & resume to Judi Pulkinen by 6/19.

### STATISTICAL COMPUTING CONSULTANT (PT209) Mann Library

Provide statistical computing support for development, maintenance & products of Mann Library Computer Files Prog. Advise staff & patrons on design & programming of projects on mainframe, minicomputer & microcomputer systems & instruction on use of statistical computing with data files. 18 month project.

Req.: MS or equiv. course work in statistics, background in life sciences or agriculture pref. Exp. with microcomputer & mainframe statistical software. Familiar with large data sets. Exc. comm., org. & interper. skills. Send cover letter & resume to Judi Pulkinen by 6/19.

### FACILITIES INVENTORY COORDINATOR (PA1910) Facilities Engineering

Coordinate collection, dissemination, organization, & maintenance of info. for sq. footage, occupancy & usage for all CU bldgs. & properties on & off campus.

Req.: AAS in Arch., Interior Design, Construction or equiv. job related exp. 2 yrs. in A/E or Facilities Inventory environ. & working knowl. of computer systems & data base mgmt. nec. Must have exc. org., interper. & comm. skills. Send cover letter & resume to Cynthia Smithbower by 6/19.

### APPLICATIONS PROGRAMMER ANALYST (PT194) Campus Affairs

Design, develop, modify, maintain & document approved computer applications.

Req.: BA/BS or equiv. with computer-related courses. 1-3 yrs. rel. exp. Knowl. of applications for batch or interactive systems, JCL, machine architecture, data-base management system e.g. ADABAS, dbase & system utility programs. 2 programming languages req.: PL/I, Natural COBOL, PASCAL, BASIC. Send cover letter & resume to Judi Pulkinen by 6/19.

### ASSOC. DIR. OF ADMISSIONS (PA197) Undergraduate Admissions

Interpret market research findings, formulate recruitment strategies, & coordinate & implement Univ. recruitment activities in important market area. Prepare stat. reports & analyses, recruit & develop alumni volunteers, administer recruitment budget.

Req.: BA/BS req. with grad. work pref. 4 yrs. admissions exp. req. Exp. with a quantitative market research based approach to planning recruitment activities. Some supervising exp. req. Exc. public & writing exp. req. Send cover letter & resume to Cynthia Smithbower by 6/30.

### SR. TECHNICAL WRITER (PC192) Computer Services

Produce intro. to advanced level publications to clearly & correctly explain software systems of some complexity; produce/edit materials publicizing CCS activities & functions.

Req.: BA or equiv. Min. 2-3 yrs. related exp. in tech. writing. Knowl. of IBM/CMS & DEC/VMS mainframe computers, microcomputers (especially Mac), text editors/WP/desktop publishing software & programming languages. Send cover letter, resume & writing sample to Esther Smith by 6/19.

### ASSISTANT TREASURER (PA484) Vice President & Treasurer-search reopened

Responsible for banking relations; outside investment mgmt. oversight; debt mgmt.; receipt, custody, control & disbursement of Univ. funds incl. Cash Management Office & related control functions; Risk Management & Insurance; Capital Planning; & Investment Office accounting & administration.

Req.: BA/BS, MBA pref. & 5-7 yrs. banking-financial mgmt. exp. Relevant exp. in traditional treasurer functions & capital planning. Exc. mgmt., problem solving & comm. skills req. Send cover letter & resume to Cynthia Smithbower by 6/19.

### MANAGER, DIRECT MAIL (PC153) University Press

Responsible for planning & carrying out seasonal direct mail campaigns for 150 books/yr. Draw up proposals; conduct list research; order lists; write copy; oversee work of designers, typesetters, printers & mailing houses; keep accs. & records; analyze returns, assist with prep., editing, & proofreading of 2 seasonal catalogs/yr. &

with dust jackets, press releases & sales letters.

Req.: BA or equiv. Min. 3 yrs. in publishing pref. Writing exp. nec. Exp. in marketing desir. Send cover letter, resume & writing samples to Esther Smith.

## Clerical

**REGULAR EMPLOYEES** Submit an employee transfer application, resume & cover letter. Career counseling interviews are available by appt. **EXTERNAL APPLICANTS** Submit an employment application & resume. Interviews are conducted Wed. from 1-6pm at Staffing Services, East Hill Plaza by appt. Contact Esther Smith (255-6878) or Lauren Worsell (255-7044).

### RECORDS ASST., GR16 (C2121) Olin Lib. Catalog Dept.

Input bibliographic records into RLIN database; file cards into catalogs maintained by Catalog Dept.; pull cards from catalogs.

Req.: H.S. dip. or equiv. Med. typing. Able to do detailed work with skill & accuracy. Computer exp. desir.

Minimum Biweekly Salary: \$390.08

### CIRCULATION/RESERVE ASST., GR16 (C2122) Uris Library

Process all photocopied & personal copy reserve materials; work at Circ./Reserve desk; may participate in other lib. activities such as checking-in periodicals & working as backup at Reference desk. Mon.-Thurs., 1 p.m.-10:00 p.m.; Fri., 2 p.m.-9 p.m.

Req.: H.S. dip. or equiv. Some college background. Lt. typing. Aptitude for detailed work. Some exp. with a detailed record keeping system.

Minimum Biweekly Salary: \$390.08

### SECRETARY, GR18 (C2124) Alumni Affairs & Development

Process college alumni records & volunteer District Director needs; heavy, accurate WP on IBM PC-XT. Comm. with Alumni, Alumni Leaders, Donors, friends & faculty of college; handle confidential info.; transcribe from tape; filing.

Req.: H.S. dip. or equiv. Familiar with IBM PC-XT (WordPerfect). Exc. org., phone, interper. & comm. (written & oral) skills. Confidentiality a must. Heavy typing.

Minimum Biweekly Salary: \$431.43

### SECRETARY, GR18 (C2113) Agricultural Economics

Provide sec. support to 2 professors in large academic dept. Type letters, reports, technical papers containing mathematical expressions; answer phone; schedule mtgs.; photocopy; accountability for computer accs.; prepare forms; some lib. searching for research & class materials.

Req.: H.S. dip. or equiv. Bus. or sec. school desir. Med. typing. Computer skills (especially WP) desir. Able to deal with public & work well as a member of a research team essential.

Minimum Biweekly Salary: \$431.43

### SECRETARY, GR18 (C2114) Coop. Extension Admin.

Provide sec. support for Asst. Dir. & Program Specialist in Agriculture & Natural Resources Program Office. Type wide variety of materials; answer phone; schedule mtgs.; handle calendars; travel arrangements; other duties as assigned.

Req.: H.S. dip. or equiv. bus. or sec. school desir. Med. typing. Good org. & comm. skills. Knowl. of IBM XT & WordPerfect req. Some sec. exp.

Minimum Biweekly Salary: \$431.43

### ADMINISTRATIVE AIDE, GR19 (C2106) University Development

Provide sec. & admin. support for Dir., Communications, 3 staff writers & prod. coord., plus several specialized functions. Responsible for orderly flow of communication jobs; take key role in publication of Communique; serve as liaison with Office of Publications Photography; maintain inventory of publications & reference materials.

Req.: H.S. dip. or equiv. Med. typing. Exc. mgmt., org., interper. & comm. (written & oral). Able to set priorities & work in a complex, active environ. Familiar with WP equip., proof-reading symbols & basic acctg. methods.

Minimum Biweekly Salary: \$457.09

### ACCOUNTS ASST., GR19 (C2101) Bursar

Maintain Student Finance & Cornellcard billing systems. Direct contact with students, parents & other CU depts. in person, via telephone & with written corresp. concerning student acctg. billings; process adjustments & other transactions to students' accs.; reconcile acct. stmts.; process deposits, vouchers & journal entries.

Req.: H.S. dip. or equiv. College coursework pref. Knowl. of general acctg. Strong interper. & org. skills. Able to reconcile accs. set priorities & work in a complex, active environ.

Minimum Biweekly Salary: \$457.09

### SECRETARY, GR19 (C2108) Graduate School

Provide sec./receptionist support for Dean's Office. Serve as primary support for Asst. Dean; serve as resource person for General Committee; maintain supplies & general repair records. Other duties as assigned.

Req.: AAS or equiv. Med. typing. Knowl. of PC's (WordPerfect, Lotus 1-2-3).

Minimum Biweekly Salary: \$457.09

### ACCOUNTS ASST., GR19 (C2120) HDFs

Maintain acctg. system for Family Life Development Center. Responsibilities include fund accs., representing a \$2M/yr. budget.

Req.: AAS in Acctg., Busn. or equiv. Min. 2-3 yrs. offc. exp. desir. Exp. with statutory colleges acctg. system desir. Med. typing.

Minimum Biweekly Salary: \$457.09

### ACCOUNTS ASST., GR19 (C2123) HDFs

Prepare & process purchase orders, vouchers, payroll & temp. appts.; maintain financial records for large academic dept.; type corresp. related to busn. aspects; assist in maintenance of supply inventory.

Req.: AAS in acctg. or related area or equiv. Knowl. of statutory busn. systems, microcomputer systems (IBM compatibles), Lotus 1-2-3 & WordPerfect software highly desir. Strong in-

terper. & org. skills a must. Med. typing.

Minimum Biweekly Salary: \$457.09

### ADMINISTRATIVE AIDE, GR20 (C2105) Vice President/Public Affairs

Provide sec./admin. support to professional staff supporting VP, Public Affairs; approx. half-time support to personnel officer. Set up/maintain data bases; appt. scheduling; telephones; provide backup to other admin. personnel as necessary.

Req.: AAS or equiv. Able to set priorities & work in a complex, active environ. Exp. in setting up & maintaining data base systems (d Base III) highly desir. Confidentiality essential. Heavy telephone load, Med. typing.

Minimum Biweekly Salary: \$482.33

### ADMINISTRATIVE AIDE, GR20 (C2111) Public Affairs/Law School

Provide sec./admin. support to Asst. Dean of Dev./AA, Law School. Draft/process major gift/campaign corresp.; assist in event coord. Plan office workload.

Req.: AAS or equiv. WP, office mgmt. & private sec. exp. helpful. Able to deal with diverse & competing demands. Confidentiality essential. Med. typing.

Minimum Biweekly Salary: \$482.33

### ACCOUNTS ASST., GR20 (C2104) Finance & Business Operations

Perform reporting & acctg. functions associated with Federal retirement & life insurance programs. Assist in reconciliation of accs. for various other benefit programs.

Req.: AAS or equiv. Lt. typing. General acctg. exp., pref. CU. Familiar with computers.

Minimum Biweekly Salary: \$482.33

### SECRETARY, GR20 (C2112) Public Affairs Regional Offices

Type corresp., forms, vouchers & other materials, schedule appts., maintain event calendar & assist in mtg. arrangements. Assist at public affairs events occasionally. Interaction by phone & in person with alumni.

Req.: H.S. dip. or equiv. Sec. training desir. Min. 2-3 yrs. sec. exp. Med. typing. Good org., comm. (written & verbal) & interper. skills.

Minimum Biweekly Salary: \$482.33

### LC CATALOGER, GR20 (C2102) Catherwood Library

Catalog & recatalog monographs & serials with copy using RLIN; maintain card catalogue & shelf list; train & supervise student assts. incl. revision of their work; maintenance work on RLIN. Other duties as assigned.

Req.: College ed. or equiv., subject background in social sci. helpful. Min. 1 or more yrs. relevant technical services exp.; knowl. of AACR2, LC classification & subject headings, & MARCII format. Med. typing. Exp. with computer searching & inputting techniques & with cataloging procedures. Familiar with RLIN. Absolute accuracy. Able to handle details with discretion & judgment.

Minimum Biweekly Salary: \$482.33

### ACCOUNTS COORDINATOR, GR20 (C2119) Engineering Dean's Office

Provide financial & admin. support to Dir. & Asst. Dir. of Admin. Operations & Facilities. Provide financial advice to dept. mgrs. & dept. acctg. personnel on acct. types; serve as primary contact & database mgr. for students & summer appts.; coordinate a wide variety of College & Dean's Office acctg.

Req.: AAS in acctg. or equiv. Exc. working knowl. of acctg. & office procedures (3 yrs. exp. at CU, or equiv.). Basic operational use of Mac PC for database mgmt. & WP. Attention to detail, accuracy, mgmt. of time. Exc. interper. & comm. skills. Discretion in handling confidential matters.

Minimum Biweekly Salary: \$482.33

### SENIOR SALES ASST., GR21 (C1616, C1617) Statler Hotel

Resp. for marketing, planning & follow-up of conferences, meetings, seminars, banquets & private parties, held at Statler Hotel. Coord. clients needs with hotel staff.

Req.: BS in Hotel Admin. desir. Pref. will be given to candidates with sales exp. Background in hospitality industry req. Working knowl. of computer/WP equip. Exc. oral & written comm. skills. Med. typing. Send cover letter & resume to Esther Smith.

Minimum Biweekly Salary: \$512.32

## General Service

**REGULAR EMPLOYEES** Submit an employee transfer application to Staffing Services, East Hill Plaza. **EXTERNAL APPLICANTS:** Employment applications are available at Staffing Services, East Hill Plaza 9-noon, Mon.-Thurs.

### ILLUSTRATOR, GR18 (G201) Study Of Continents

Provide drafting for various projects within Institute (line drawings, mapping, figures, computer generated graphics). Create displays; provide general assistance on research projects & other assignments.

Req.: H.S. dip. or equiv., some college coursework in geology pref. Technical drafting exp. essential.

Minimum Biweekly Salary: \$431.43

### BOAT RIGGER, SO21 (G2102) Athletics-Endowed

Maintain equip. & boats used in Men's & Women's Crew programs. Oversee maintenance & upkeep of Collyer Boathouse. Transport shells & equip. to race sites. Assist with race preparation including loading & unloading equip. Determine need for & purchase supplies, tools, parts. Mon.-Fri., irregular hrs. & frequent weekends.

Req.: H.S. dip. or equiv. Technical training in maintenance & repair of boats. Knowl. of fiberglassing, woodworking, outboard & auto motors & general mechanical skills strongly pref. NYS driver's license; able to lift 100 lbs.

Minimum hourly rate: \$6.72

### MAINTENANCE MECHANIC, GR23 (G2101) Geneva

Maintain, add to, or improve buildings, prop-

June 11, 1987  
Number 20  
University Personnel Services  
Cornell University  
160 Day Hall  
Ithaca, New York 14853-2801

## Technical

**REGULAR EMPLOYEES:** Submit an employee transfer application, resume & cover letter. **EXTERNAL APPLICANTS:** Submit an employment application, resume, & a list of laboratory techniques/equipment, or computer languages/hardware with which you are familiar. Submit a cover letter for each position for which you apply, (specify title, dept. & job number) to Judi Pulkinen, 160 Day Hall. Interviews are conducted the first Thursday of each month from 1:30-4:30 p.m. at Staffing Services, East Hill Plaza. The following backgrounds are highly desired: biochem., chem., microbiol., elect., physics, lic. animal health tech. No appt. is necessary, however a brief wait may be required.

### TECHNICIAN, GR18 (T2105) Equine Drug Testing

Perform analysis of blood & urine samples in field drug testing lab at Finger Lakes Race Track. Routine record keeping & lab. maint. Assist dir. as needed. 39 hrs./wk. incl. Sat., Sun. & holidays.

Req.: AAS lab tech degree or equiv. pref. Exp. with thin layer chromatography. Familiar with gas chromatography. Send cover letter & resume to Daniel Howard, Equine Drug Testing, 925 Warren Drive, Ithaca by 6/26.

Minimum Biweekly Salary: \$431.43

### TECHNICIAN, GR18 (T2102) Equine Drug Testing

Under close superv., perform routine duties in lab & variety of tests of moderate complexity. Operate & maintain Atomic Absorption Spectrophotometer. Some field trips.

Req.: AAS in chem. or 2 yrs. lab exp. Analytical chem., chromatography extraction techniques. Send cover letter & resume to Judi Pulkinen by 6/26.

### LABORATORY TECHNICIAN, GR18 (T2101) Entomology-Geneva

Perform biochem. assays of interactions of insecticides with ion channels & receptors in mammalian & insect nerve preparations. Partially responsible for insect colony maintenance. Wash & decontaminate lab glassware. Prepare reagent & buffer solutions req. for assays.

Req.: BS/BA in bio. with coursework in physiol. or biochem. or equiv. Send cover letter & resume to D.M. Sonderlund, NYS Agric. Exp. Station, Geneva, NY 14456 by 6/19.

Minimum Biweekly Salary: \$431.43



# Trustees approve continued renovation of student housing

Cornell's trustees have approved spending \$3.5 million for the 10th year of a continuing program to renovate student housing at the university.

Meeting in Ithaca May 30, the trustees allocated funds in the 1987-88 budget for roof repairs and mechanical and structural renovations to the Hasbrouck and Pleasant Grove apartments for student family housing and for interior improvements to the Baker and Dickson undergraduate dormitories.

The renovations are being funded

through New York State Dormitory Authority bond issues to be repaid from Department of Residence Life operations.

William Paleen, director of residence life, explained that the renovation program started with a large backlog of deferred maintenance.

Modernizing electrical systems, plumbing and structural elements of student residences consumed the first five years of the program. Work then gradually turned to other projects, such as carpeting tile floors, covering concrete walls with sheetrock and

replacing antiquated windows with better insulated modern ones.

Instead of one large bathroom on each floor, renovated halls on West Campus now have three smaller bathrooms. More students are close to the bathroom this way, and men and women do not have to share facilities. Apartments for faculty-in-residence also have been added, and lounges now have separate kitchenettes and areas for watching television.

"We're now able to maintain dormitories at excellent levels and set priorities for meet-

ing today's quality standards," Paleen said.

The six "U Halls" were built in 1954 along Spartan lines and require extensive modifications to meet today's needs, he said. Work on two of the buildings is complete. Class of '28 Hall was reopened in February and Class of '22 Hall reopened May 29, two days before Commencement. "We were pleased to be able to make it available to families and guests of graduating seniors," Paleen said.

— Joe Leeming

## Public affairs institute *Continued from page 1*

- Minorities increased as a proportion of freshman applicants, accepted applicants, entering freshmen and the total undergraduate student body. Asians accounted for the largest proportion of the increase of total minorities within undergraduate enrollments, while the proportion of blacks and Hispanics among undergraduates decreased slightly.

- Minorities increased as a proportion of the faculty and academic staff, but decreased as a proportion of the full-time, non-academic work force.

Another report, this one from the Office of the Vice President for Campus Affairs, says that alcohol continues to be "the number one substance abuse problem on campus."

Debra Turner of the Office of the Vice President for Campus Affairs told trustees that a 1986 survey of undergraduates found 90 percent of Cornell students continuing to drink — despite a state law that makes three-quarters of them too young to purchase alcohol.

Turner said use of other drugs by Cornell students is typical of college students in this country.

University Health Services will hire a substance abuse specialist to work with faculty, staff and students. Health Services will "spearhead Cornell's initiatives to create a

drug-free environment through the appropriate use of intervention, referral, education and policy enforcement," Turner said.

"Some might conclude that we have a substance abuse problem; others might respond that it's typical," Turner said. "We feel that even one member of the community with a substance abuse problem is worthy of our attention and our best efforts to create a drug-free environment at Cornell."

In other business, the trustees re-elected Stephen H. Weiss as vice chairman of the board and named the following new members:

- Alumni Kenneth H. Blanchard, co-author of "The One-Minute Manager," and Joan Hartford Ferreira, a community leader in the Albany, N.Y., area, were elected to four-year terms.

- Student Alan S. Rozen of the Class of 1989 was elected to a two-year term.

- Bernard W. Potter, owner of a Cortland County, N.Y., holstein dairy farm, was re-elected to a four-year term as trustee-at-large from the field of agriculture; current trustees Aubrey E. Robinson Jr., Nelson Schaeen Jr., Patricia Carry Stewart and Harold Tanner will continue on the board as general trustees-at-large.

Trustees also:

- Adopted a revised Campus Code of

Conduct that includes policies on law enforcement and arrest, on regulations for the maintenance of public order and of an educational environment, on the campus judicial system and on responsible speech and expression.

- Accepted a \$1.1 million award from the New York State Department of Social Services for renewal of the Child Protective Services Training Institute in the College of Human Ecology. The institute provides training to workers from throughout New York State who investigate charges of child abuse and neglect.

### Proxy review report

Trustee Investment Committee Chairman Robert G. Engel summarized a report submitted this spring to his committee by another trustee, Patricia Carry Stewart, chairman of the Proxy Review Committee, a group that decides how Cornell will vote its shares of stock on issues related to South Africa.

The report said that the university last year sold holdings totaling \$6.3 million in Schlumberger Ltd. and USX Corp. because they were not able to meet the trustees' investment criteria. This brought to more than \$12 million the value of shares in nine companies that were sold under the university's selective divestment policies.

Last year, the committee also voted on eight shareholder proposals related to South Africa. It opposed six that asked the companies to withdraw from South Africa, citing its view that they could help bring about change by remaining there. But the committee also supported the two other resolutions, which asked General Motors Corp. not to sell its products to the South African police and military, and asked Westinghouse Electric Corp. not to supply nuclear technology to South Africa.

Cornell is among the top 20 colleges and universities in the amount of funds that have been divested in whole or in part, according to information supplied by the Africa Fund, a group monitoring divestment activities, the report noted.

During the board meeting, President Frank H.T. Rhodes reported on a meeting he held earlier in May with members of the campus divestment movement. The divestment group also outlined in a two-page open letter to the trustees its call for an end to university investments in companies doing business in South Africa.

Members of the group constructed a shanty on campus during Commencement weekend to draw attention to the issue of divestment. The university had granted permission for the construction of the shanty.

## Reunion *Continued from page 1*

Among other events to be held during the weekend are all-alumni receptions, luncheons and dinners; Cornelliana Night; and the Savage Club Show. Displays from various university departments will be in Barton Hall.

Reunion tent parties will take place on the Arts Quad from 9 p.m. to 1 a.m. each reunion evening. Four bands — Peggy Haine and the Low Down Alligator Jass Band, Uptown Review, Grand Central, and Phil Hodes and the Muscat Ramblers — will perform under four giant circus tents.

Early on June 13, hundreds of alumni will assemble at a starting line on East Avenue for the annual Reunion Run. The

event includes a two-mile and five-mile course. In addition, a traditional fall event has been moved to reunion weekend: the Lacrosse Alumni Classic. The game, which will be held at Schoellkopf Field beginning at 2 p.m., will bring together past players, managers and fans.

Not to be left out, many fraternities and sororities will be playing host to special events such as open houses, cocktail parties and barbecues.

As plans for reunion activities firmed up, the Alumni Affairs staff had to deal with an unusual problem — campus construction.

"We've been forced to find alternative housing locations for classes, plan for tem-

porary closing of roads to cut down on traffic and allow access by Cornell Transit buses, and make precise arrangements to use Barton Hall," Benedict said.

Organizing the weekend has extended beyond the Cornell property line, as well. For example, because of Collegetown construction and rerouting, special permission was necessary to use the new municipal parking garage for alumni staying in Collegetown residence halls. In order to park some 100 expected cars, the Ithaca Board of Public Works had to give approval.

"With the campus expanding so quickly, we've had to be very creative in planning the weekend," Benedict said. "At the same

time, though, it automatically gave us a theme for the weekend."

That theme, "Building for Tomorrow," will be heard throughout the entire weekend. In fact, Barton Hall, with its temporary plywood floors, will feature a number of display booths outlining new programs, buildings and departments.

"I think those alumni who haven't been back to campus in a while are going to find some unexpected changes," Benedict said. "I hope it adds to the excitement of the weekend."

James A. Mazza

## Job Opportunities

### Part-Time

**SECRETARY, GR18 (C2107) CISER**  
Coord. Institute receptionist duties: mail, answer phone, greet visitors, file, etc. Resp. for arranging CISER mtgs.; duplicate CISER publications; coord. calendars; type corresp. for CISER staff, etc. 4 hrs. per day.  
Req.: H.S. dip. or equiv. AAS desir. Min. 1-2 yrs. exp. with IBM PC using WordPerfect. Med. typing. Working knowl. of CU community pref. in org., interper. & comm. (written & oral) skills.  
Minimum full-time equivalent: \$431.43

**LIB. CIRC./RESERVE ASST., GR18 (C203) Physical Sciences Library**  
Resp. for supervising lib. on weekends & maintaining Circ. Desk & copy service. Wed., 12: Sat. & Sun., 8-1, 2-5.  
Req.: BA or equiv. Lt. typing. Lib. exp. highly desir. Strong comm. skills (verbal & written).  
Minimum full-time equivalent: \$431.43

**LAB. OPERATOR, GR18 (C175) Veterinary Pathology**  
Provide clerical support for Surgical Pathology & Necropsy Service off. Data entry on computer; process reports; retrieval; respond to person & telephone requests. Mon., Tues., & Wed. 8 a.m.-5 p.m.  
Req.: AAS in med. sec. or equiv. Min. 2 yrs. med. sec. off. pref.; med. terminology. Accuracy & med. to high speed data entry on computer (as measured by typing skill). Proven ability to act as team member in working with both lab. & staff. Med. typing.  
Minimum full-time equivalent: \$431.43

**PHYS. ED. INSTRUCTOR (P2102) Physical Education & Athletics**

Part-time phys. ed. instructor. Responsible for course prep., instruction & evaluation. Courses assigned as needed by Assoc. Dir. of Athletics for Phys. Ed. 20-25 hrs. per week. Until 8/27/88.  
Req.: BS in Phys. Ed. or equiv. Proven ability to teach college age students in various activities. Excellent interper. skills. Send cover letter & resume to Search Committee: Phys. Ed. Instructor.

**COUNSELOR/THERAPIST (P2104) University Health Services**  
Provide professional expertise in working with univ. population as short-term therapist. Crisis intervention, campus outreach, emergency coverage, group work, couple therapy, & applied clinical research comprise majority of duties. 20 hrs. per week.  
Req.: PhD in clinical or counseling psychology from an American Psychological Association (APA) approved program or MSW. Completion of an approved APA internship req. Send cover letter & resume to Cynthia Smith-bower by 6/26.

### Temporary

Experienced & skilled individuals specifically interested in temporary clerical/secretarial work can contact Lauren Worsell (255-7044).

**MESSENGER MAIL DRIVER (G2103) Mail Services**  
On call substitute for year round position (approx. 1 day/wk.). Pick up, sort & deliver intercampus mail on assigned routes.  
Req.: H.S. dip. or equiv. Excellent reading &

writing skills. Familiar with campus. NYS driver's license, able to lift 50 lbs. Call Cornell Campus Mail Services at 255-1283 or 255-4124.

**ANIMAL TECHNICIAN (G2104) Lab Animal Services**  
Provide weekend, holiday & substitute care of lab animals. Care, feed, water, exercise animals. Clean & maintain cages, pens & facilities.  
Req.: H.S. dip. or equiv. Some animal handling exp. desired. Able to lift 100 lbs. Apply at the East Hill Plaza Staffing Office, Mon.-Thurs., 9 a.m.-noon.

**END-USER SEARCHING COACH (C2118) Mann Library**  
Oversee some admin. details of end-user program. Help train, schedule & evaluate staff; assist with preparation of documentation & telecommunications software configuration; guide & coach student searchers during evenings & some weekends. Work under supervision of Info. Literacy. 5-15 hrs./wk.; some evenings & weekends. Until 12/87.  
Req.: BS/BA or equiv. in a subject related to agriculture, biology or human ecology. Exp. with PC's & software, with training & supervising others & working with public. Familiar with databases & libraries. Lt. typing.

**PHOTOCOPY ASST. (C099) Olin Lib. Admin. Oper.-repost**  
Provide coverage for operations of Photocopy Services; supply minor maint. for CUL photocopyers & related equip.; answer calls for service; make approp. log entries & ensure proper responses to requests for services; supv. students. Evenings & weekend hrs.; part-time.  
Req.: H.S. dip. Work exp. pref. Willing to work with machines. Able to work courteously with patrons, staff & faculty.

**EDUCATION ASST. (A201) Cornell Plantations**  
Coord. tour program-schedule volunteers,

conduct tours, plan visitors survey. Assist with special events-planning, org. & teaching. Assist Education Director with other duties. Part-time, June-Sept., flexible hrs. Must be able to work 2 weekends each month.

Req.: Course work or exp. in Botany/Horticulture. Org. & public speaking skills. Enjoy working with people. Contact Raylene Gardner, 255-2407.

**COUNSELOR (PA199) Student Services (Part-time)**

Provide academic, personal, career counseling to undergrad. students. Assist in orientation of new students, program development for students in academic difficulty, activities for undecided students. Collaborate in developing special programs for minority students. Provide assistance in financial aid selection. General counseling & advising duties. Until 11/30/87. 20 hrs. per week.  
Req.: MS or equiv. in related field. Demonstrated effectiveness in individual & group counseling, pref. in higher ed. setting. Competence in program development, especially as it pertains to academic matters. Exp. or familiarity with Hispanic or Asian populations desir. Computer knowl. helpful. Send cover letter & resume to Cynthia Smithbower by 6/19.

**SECRETARY (C184) Human Development & Family Studies**  
Provide sec. support to program & admin. staff of Family Life Devel. Ctr. Maintain symposia registration, input format & revise manuscripts on computer-based wp system. Provide phone coverage & other clerical duties as assigned. Full-time until 8/31/87.

Req.: H.S. dip. or equiv. sec. school desir. Sec. off. exp. Exc. command of grammar & spelling. Strong comm. skills (oral & written). Macintosh exp. highly desir. Able to work independently in complex, active enviro. Call Laurie Worsell at 255-7044.

### Academic

**RESEARCH ASSOCIATE OR SENIOR RESEARCH ASSOCIATE (A211) Agricultural Engineering**

Send a letter of application, vita, transcripts & names & phone numbers of 2 references to Gerald E. Rehkugler, Chairman; Department of Agricultural Engineering, 104 Riley-Robb Hall; Cornell University, Ithaca, NY 14853.

**SMALL ANIMAL SURGERY/VETERINARY DENTISTRY (A203) Clinical Sciences**

Send curriculum vitae & names & addresses of 3 references to Dr. Donald F. Smith, Professor & Chairman, Dept. of Clinical Sciences, NYS College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401.







Claude Levett  
President Frank H. T. Rhodes and his wife Rosa greet guests to their home during a reception for volunteers who served as ushers for the commencement ceremonies.

## Curriculum designed to arouse childrens' curiosity about plants

Most school children — and many adults — do not really understand the simple concept that plants make food, according to Cornell educators. So a team of plant scientists and science education specialists is designing a model curriculum to teach elementary-aged schoolchildren basic science concepts using the world of plants.

Called LEAP, for LEarning About Plants, the curriculum development project is funded by a \$460,000 grant from the National Science Foundation to Cornell Plantations. That department, which manages Cornell's botanical gardens and arboretum, and education specialists in the College of Agriculture and Life Sciences are hoping their lessons will correct children's misconceptions about plants.

"School children have almost as much misinformation about plants as correct information," according to Joseph D. Novak, professor of science education and a consultant to LEAP. "And misconceptions get in the way of learning."

"Children think that plants get their food from the soil," said Robert E. Cook, director of Cornell Plantations. "But plants actually make food. In fact, most of the mass of any plants — food plants or giant oak trees — comes from 'thin' air, from the carbon in carbon dioxide."

"Because we live with plants every day, we forget that their ability to transform the sun's energy and a few simple substances into food is absolutely central to the way the world works," Cook said.

The LEAP team will first assess how young children think about nature and living organisms, then design a curriculum to change misconceptions into scientifically acceptable concepts.

An important component of the program will involve teacher training. For the past year, the staff of LEAP has been conducting pilot studies in the classrooms of the nearby Trumansburg Elementary School.

"Teachers will be the key to any educational reforms in the future," Cook said. "We are working with them to find ways of integrating science concepts using plants into their regular reading, writing and arithmetic lessons."

"If teachers feel that our science curriculum is simply another burden added on to everything else they are supposed to be doing, good science won't get taught," he asserted.

When asked why very young children need to be learning science, one of the Trumansburg teachers replied, "Because it's good teaching. At the kindergarten level, if you've got kids getting curious about the world out there, you've got their minds and you can teach them anything. To me, science is the basis of knowing what the world is all about, and you can go from there to teach math and reading."

Cornell Plantations will use the plant collections in its botanical gardens and arboretum to demonstrate how other botanical gardens around the country can give schoolchildren direct experience with plants. Particularly valuable will be the fruits and vegetables growing in Cornell's Pounder Heritage Garden, which includes crop varieties grown by farmers 100 years ago.

By creating a model curriculum, the LEAP program will bring the resources of Cornell to the pressing national need for reform in science education, according to Cook, an associate professor of ecology at Cornell. "In reality, all universities are public institutions," he said. "Their resources must address public problems."

"Cornell has always been a leader in translating its academic expertise into practical solutions," Cook said. "We at Plantations are committed to solving problems by using plants, both as a medium of learning and as a critical form of psychological nutrition for us all."

"Besides," he added, "children really like plants. They appeal to all the senses. You can see them, feel them, smell them, and then you can eat them."

"That what 'plants make food' is all about."

"Besides," he added, "children really like plants. They appeal to all the senses. You can see them, feel them, smell them, and then you can eat them."

"That what 'plants make food' is all about."

— Roger Segelker

## 9 incoming students awarded J. Saunders Redding Fellowships

In keeping with the university's commitment to attracting increasing numbers of underrepresented minority students into Ph.D. programs and to enlarging the pool of prospective minority faculty members, up to 10 J. Saunders Redding Fellowships are awarded each year.

The two-year fellowships, which provide tuition and a stipend of \$10,000 for the academic year, are offered to outstanding students who are black, Mexican American, Native American or Puerto Rican.

J. Saunders Redding, in whose honor the fellowships have been established, is a renowned Afro-American scholar. A teacher at Hampton Institute for over 20 years, he

was also the first director of the Division of Research and Publication for the National Endowment for the Humanities and was the Ernest I. White Professor of American Studies and Humane Letters here.

Redding published scores of essays and eight books, the best known of which is the award-winning "No Day of Triumph." The fellowships honor his extraordinary career.

Nine incoming students have been awarded this fellowship for graduate study to begin in the fall of 1987:

- Wendell Carter from Haverford College and Stanford University will study for the Ph.D. in English language and litera-

ture, specializing in Afro-American literature.

- Tina Campt from Vassar College will study for the Ph.D. in history, with a specialty in modern European history.

- Javier de la Torre from the University of Puerto Rico and Ithaca College will work toward the D.M.A. in music, concentrating on composition.

- Kenneth Mendoza from the University of California at Los Angeles will study for the Ph.D. in government, with a concentration in international relations.

- Marie Pharoah from the University of Maryland will study philosophy and law in a combined J.D./Ph.D. degree.

- Bobby Pitts from Johns Hopkins University will work toward the Ph.D. in electrical engineering, concentrating on electromagnetic theory.

- Roosevelt Porter from Old Dominion University will study for the Ph.D. in philosophy, concentrating on aesthetics.

- Kay Thompson from Princeton University will work toward the M.S. degree in civil and environmental engineering, specializing in environmental engineering, with an interest in water quality.

- Michael Wilson from Oklahoma State University will work for the Ph.D. in English Language and Literature, specializing in postmodern poetry and prose.

## CAU offers Cornell vacations

Cornell Adult University, which celebrates its 20th anniversary this year, continues to offer a wide range of week-long summer seminar vacations designed to revive the body and mind.

CAU describes itself the largest and most comprehensive college vacation program of its kind in the country, attracting between 250 and 300 adults and youngsters for each session, or some 1,000 during the course of the summer.

Four week-long courses are being offered on the Ithaca campus this summer, with topics ranging from "Art and Revolution from Mozart to Mao" to "The Chemistry of Emotion" and "The Botanical World."

Courses are taught by members of the Cornell faculty and often include field trips, museum visits or studio assignments. Final exams are not part of the program, however.

CAU vacationers enjoy access to Cornell facilities and special programs arranged for the summer. Generally, they sleep in student residences.

At the same time, CAU offers a youth

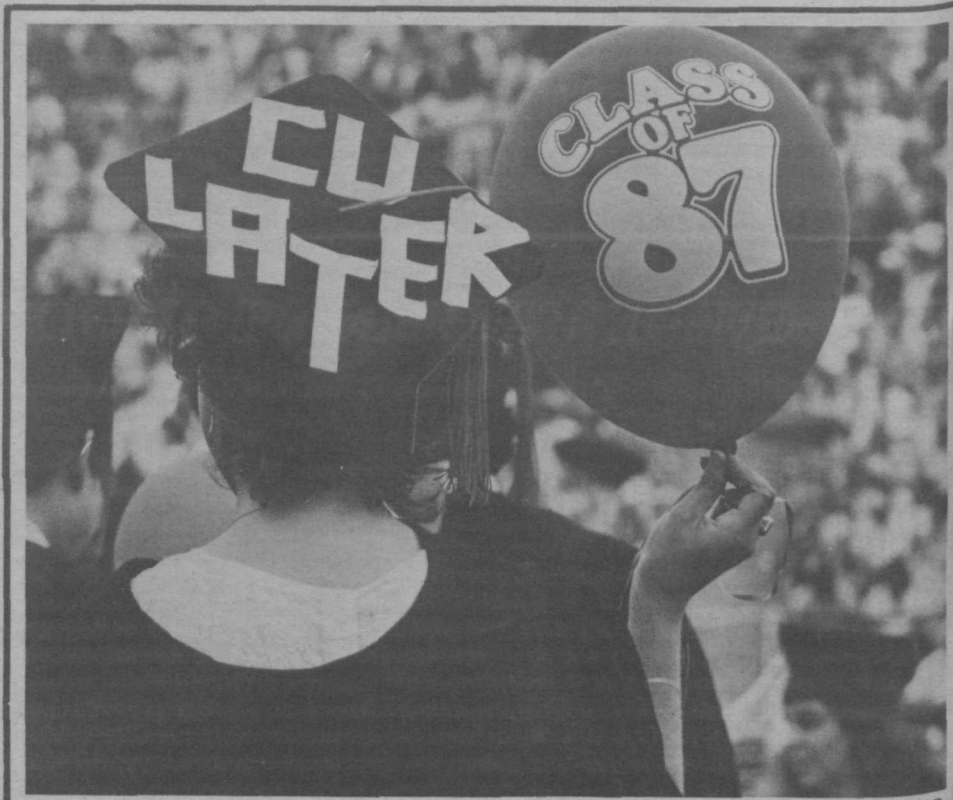
program for 3- to 17-year-olds. Depending on the age of the youngster, the program is designed to give a taste of college life by combining learning with dorm living or to give parents the freedom to pursue their interests knowing their children are well supervised.

Youth programs range from video making to horseback riding to architectural drawing and three-dimensional modeling.

CAU also organizes travel courses in the spring and summer. This year, groups will travel to the foothills of the San Juan Mountains in Colorado to study geology and natural ecology, to Appledore Island off the coast of Maine to examine marine life, to Canada to explore regional history and to Rome to explore architecture.

The off-campus trips are led by Cornell professors who have expertise in the areas to be visited and the topics studied.

For more information, including a brochure describing the complete list of course offerings, write to Cornell's Adult University, 626 Thurston Ave., Ithaca, N.Y., 14850-2490 or call (607) 255-6260.



Charles Harrington