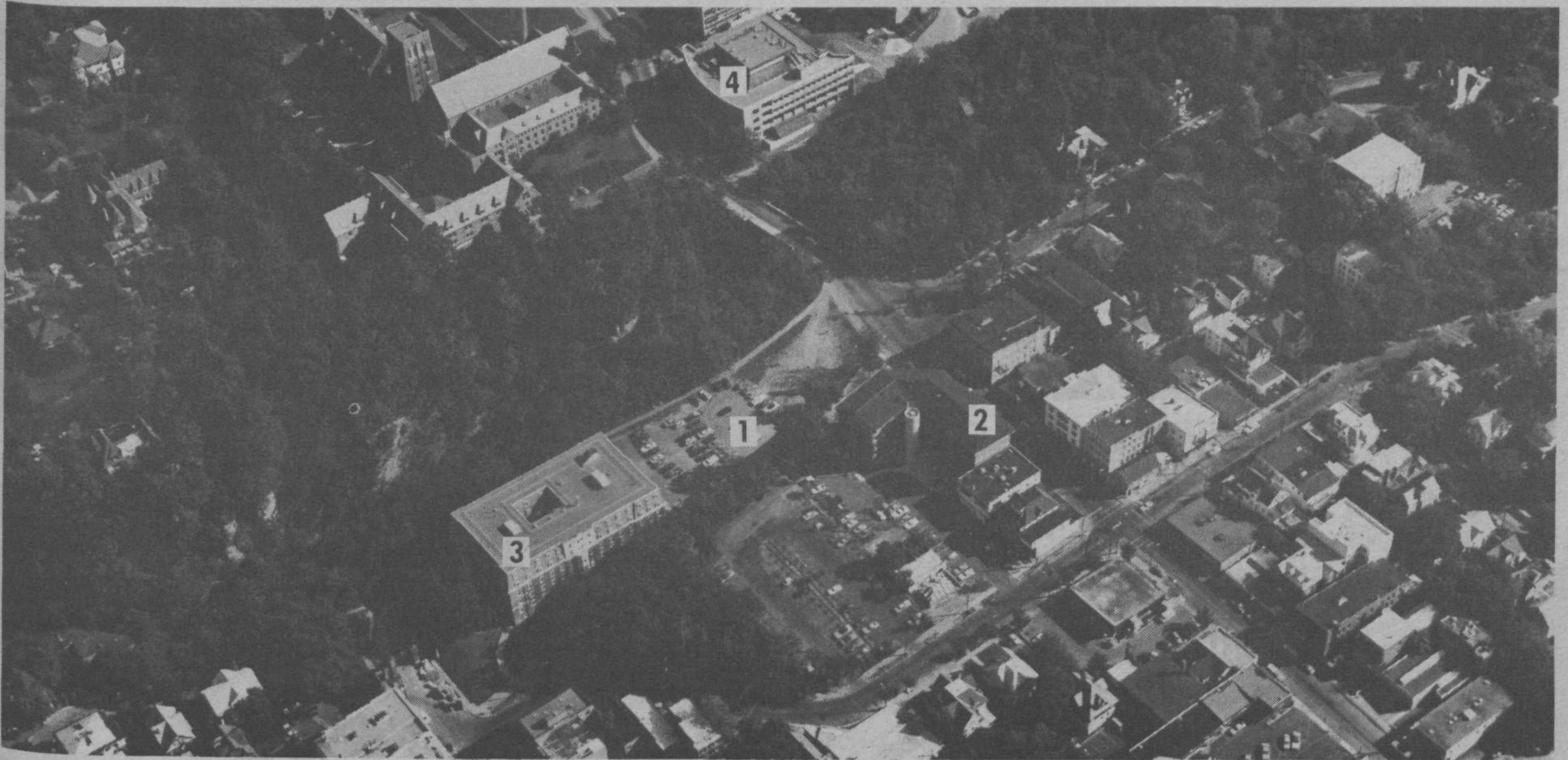


Site of Groundbreaking for Performing Arts Center Friday



Ground will be broken in Collegetown on the site of the new Performing Arts Center (1) at 2:30 p.m. Friday. Sheldon Court is 2, Cascadilla Hall 3, and the newly dedicated Snee Hall, home of geological sciences, across the Collegetown Bridge at 4. (See related story on Page 4.)

New Telecommunications System to Be Installed

\$17.4 Million Contract with AT&T to Be Self-Amortizing in 8 Years

The university announced Wednesday that it will install a high-speed telecommunications system to link telephones and thousands of computers in laboratories, classrooms, dormitory rooms, and offices throughout the Ithaca campus to the rest of the world.

Cost of the \$17.4 million university-owned system, which is being installed by AT&T's Information Systems (AT&T-IS), is expected to be recovered in about eight years, mainly in savings from owning and operating the facility. AT&T-IS will receive \$12 million for installing the major portion of the system; the balance is for building renovations, engineering, consulting, an emergency power facility, a contingency fund, and other charges.

Cornell's new telephone system will include some 11,000 phones and will be the most up-to-date and convenient one possible with today's technology. The attendant data communications capability will help turn microcomputers into terminals associated with on-campus and external networks. It will be one of the largest, fastest, and most adaptable data networks of any American university. The new system will give students, faculty, and staff the opportunity and challenge to expand the use of personal computers and work stations into the daily work of the university.

A contract for purchase and installation of the system was signed last Friday by Robert M. Matyas, Cornell vice president for facilities and business operations, and L.W. Plekenpol, eastern regional vice president of AT&T-IS.

Installation will begin almost immediately and take about 66 weeks to complete. AT&T-IS will have more than 30 workers in Ithaca during the construction period, the equivalent of a new small industry added to the local economy.

By the end of 1985, Cornell will own almost all the telephone, video, and computer lines and equipment on its Ithaca campus. The wiring, switching equipment, and most telephones on the 17,500-student campus are now owned by New York Telephone Company and AT&T-IS.

"One advantage of owning the telecommunications system is economic; we can gain control over costs, and can stabilize those costs over the years," according

See related photographs on Page 4.

to Harold D. Craft Jr., Cornell director of telecommunications.

Without a university-owned system, Cornell's bill from New York Telephone could have been at least \$4.1 million a year by 1986. With the new system, that amount is estimated to be around \$800,000. Retained savings of about \$3.3 million a year will help repay the cost of the new system. Initially, the university will finance purchase and installation of the telecommunications system with bonds sold

through the New York State Dormitory Authority.

Almost all major universities in the U.S. are now in some stage of planning a telecommunications system. Cornell — though not the very first — will be among the leaders, according to Kenneth M. King, Cornell's vice provost for computing.

By installing a system now, Cornell's network will take advantage of the most recent technological developments. However, telecommunications systems built five years from now won't necessarily be better than Cornell's, the vice provost says.

"We have only a vague idea of what will happen with communications and information management technology in five years," explains Craft, an electrical engineer and specialist in radio astronomy who left the directorship of Cornell's Arecibo Observatory to lead the telecommunications planning effort.

"If the number of personal computers on campus 'explodes,' the architecture of the communications system will allow us to expand. We hope to be able to evolve gracefully in whatever direction is appropriate."

Users of the new telephone system will find it more helpful and flexible than the present one. It will include standard features such as all tone dialing, call transfer, "hold" capability, forwarding (allowing flexible call screening), abbreviated dialing, queuing, easy conference calling, integrated long distance calling system, and

Subject of Major Conference Here Is Opera Composers Verdi, Wagner

A major international conference on the two greatest opera composers of the 19th Century, Giuseppe Verdi and Richard Wagner, will take place at Cornell University, Oct. 18-21.

Professor Joseph Kerman of the University of California at Berkeley will open the conference with a 4:30 p.m. keynote address in Barnes Hall on Thursday, Oct. 18. Kerman's speech is open to the public.

Sessions on various topics will take place from Friday, Oct. 19, through Sunday, Oct. 21, including a Barnes Hall concert on Friday evening performed on historical instruments, and a Saturday afternoon session on the two composers' cultural milieu.

Roger Parker of Cornell and Carolyn Abbate of Princeton jointly organized the conference which will feature internationally distinguished persons such as William Ashbrook, Robert Bailey, Anthony Newcomb, Ursula Gunther, Martin Chusid, John Deathridge, Philip Gossett, Arthur Groos, Harold Powers, and Gary Tomlinson.

PEOPLE

Dyckman Receives AAA Honor

Thomas R. Dyckman, the Ann Whitney Olin Professor of Accounting and associate dean of Cornell University's Graduate School of Management, was one of eight professors nationwide to be chosen recently as a Distinguished Visiting Faculty for the American Accounting Association's (AAA) Doctoral Consortium held in Toronto.

It was the third time Dyckman, who was president of the AAA from 1981-1982, has held the honor of serving as a distinguished faculty member.

The Consortium brings together top Ph.D. candidates from schools around the country and faculty members for formal

and informal discussions about their theses and current research being conducted in the field.

In his formal presentation to the scholars and faculty, Dyckman summarized the status of current accounting research, what factors are constraining research, and where he sees the research headed. In 1966 and again in 1975, he was awarded the American Institute of Certified Public Accountants' Gold Medal for Research.

Dyckman received his B.A. (1959), M.B.A. (1955), and Ph.D. (1961) degrees from the University of Michigan.

Morse Wins 1984 Hambleton Award

Roger A. Morse, professor of apiculture in the State College of Agriculture and Life Sciences, has been honored with the 1984 James I. Hambleton Memorial Award.

Presented annually by The Eastern Apicultural Society, the award goes to a research scientist who has accomplished outstanding research directly related to the study of bees.

A member of the faculty in the department of entomology at Cornell since 1957, Morse has been focusing his recent re-

search on the natural bee nest, reproduction of honey bees, and the spread of mites that kill bees in Brazil. He has published several hundred popular and technical papers and bulletins on bees and beekeeping, and nine books, including "The Complete Guide to Beekeeping" (E.P. Dutton Co.) and "Bees and Beekeeping" (Cornell University Press).

Morse received the B.S. (1950), M.S. (1953), and the Ph.D. (1955) degrees from Cornell University.

Randel Receives Senior Fellowship

Mary Gaylord Randel, associate professor of Spanish in the Department of Romance Studies, has received a 1984-85 senior fellowship from the National Endowment for the Humanities.

She will work on the completion of a book on portraits of the literary artist in the works of Miguel de Cervantes Saavedra (1547-1616), the Spanish author of the novel "Don Quixote."

Randel is a specialist in the poetry and literature of the Spanish Golden Age, especially the works of Cervantes, Gongora and Fernando de Herrera.

She teaches graduate and undergraduate courses in Spanish lyric poetry and drama

of the Golden Age, the Spanish picturesque novel and the works of Cervantes.

She received her bachelor of arts degree from Wellesley College in 1964, her master of arts degree in 1965 from Middlebury College, and her Ph.D. from Harvard University in 1969.

During 1967-68 Randel was a lecturer at Syracuse University, then became an assistant professor of Wells College, a position she held until 1970.

She held the position of assistant professor in Spanish at Cornell in 1970-71, and again from 1977 to 1983, when she was named associate professor with tenure.

McGinnis Will Head CISER Once More

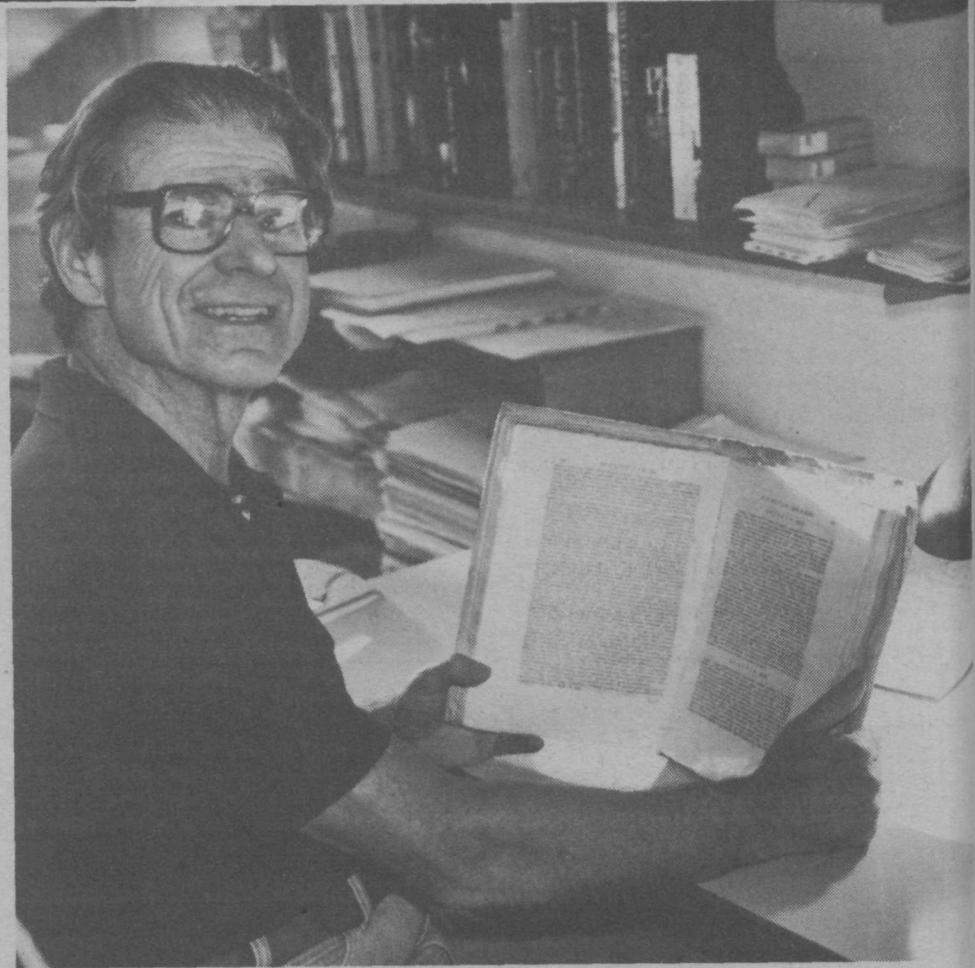
Robert McGinnis, professor of sociology and director of Social Analyses of Science Systems, has been named director of the Cornell Institute for Social and Economic Research for a second three-year term.

CISER was established in 1981 "to enhance and coordinate widely dispersed research activities in the social sciences on campus."

In announcing the appointment, Provost Robert Barker said, "I am very pleased that Professor McGinnis has agreed to continue to serve as director of CISER. It is clear that CISER provides a unique environment that has great value to a broad

cross section of the social and economic science community. Its continued development will be an important element in the on-going evolution of both research and teaching programs. Professor McGinnis's reappointment was strongly endorsed by his colleagues and by the deans of the various colleges whose faculty members participate in CISER's programs."

Before coming to Cornell in 1961, McGinnis was an associate professor at the University of Wisconsin and an acting assistant professor at Florida State University.



Professor of Physical Sciences Edwin E. Salpeter, who was honored in last week's Symposium on the Highlights of Modern Astrophysics, displays a 60th birthday gift, a 1749 edition of Isaac Newton's "Optics," presented by colleagues in Florence, Bologna and Rome. Among other gifts, Salpeter received the painting "Gorge" by Professor of Art Emeritus Ken Evett from 39 former graduate students.

S. Dillon Ripley to Receive Allen Ornithological Award

S. Dillon Ripley, biologist, ecologist, ornithologist, educator, and recently retired secretary of the Smithsonian Institution, will be the 16th recipient of the Arthur A. Allen Award, presented annually by the university's Laboratory of Ornithology.

The award, established in memory of the eminent ornithologist and Cornell professor, will be presented on Saturday, Oct. 13, at the Statler Inn on campus. After he receives the award, Ripley will address the audience on the topic, "The History of the Wood Duck in this Century."

Ripley retired on Sept. 17 from his post as the eighth Secretary of the Smithsonian in Washington, D.C. During the two decades of his tenure at America's national museum, the venerable institution was transformed from "an attic into a special kind of open university."

Under Ripley's guiding hand, eight new museums and seven new research or backup facilities opened their doors, the number of visitors more than doubled, major research and acquisition efforts were launched, and outreach programs — including Smithsonian magazine — were inaugurated. His latest achievement has been the establishment of the new Center for African, Near Eastern and Asian Cultures, due to be completed in 1986.

Despite all his work for the Smithsonian, Ripley did not stop doing research and conservation work. In his spare time, the secretary, who began his career as a young ornithologist exploring the back country of New Guinea and Sumatra, finished a 10-volume "Handbook of the Birds of India and Pakistan."

As a conservationist, Ripley has, with the help of Britain's Peter Scott of the Wildfowl

Trust, saved the nene goose of Hawaii from extinction. He has also promoted programs to rescue the white-winged wood duck of Southeast Asia from the same fate and has bred rare and endangered species of waterfowl on a system of ponds at his family home in Connecticut.

Ripley, who received his Ph.D. from Harvard, was a Fulbright Fellow in 1950, a Guggenheim Fellow in 1954, and a Fellow of the National Science Foundation in 1954. In 1972, he was a United States delegate to the United Nations Conference on the Environment held in Stockholm. He holds honorary degrees from 13 universities and has been decorated by the governments of Poland, Great Britain, Spain, Denmark, Thailand, France, and Belgium.

The Arthur A. Allen Award, given in the form of a medal, is a recognition of distinguished service to ornithology. Allen's early scientific studies and teaching inspired many students to make ornithology their profession. His popular writings, photography, and public lectures, as well as his use of graphic art and sound recording, focused attention on birds.

"S. Dillon Ripley personifies the Arthur A. Allen Award. Allen's goal was to make ornithology available to the public. Mr. Ripley, a distinguished ornithologist, has done that and carried it a step further. As secretary of the Smithsonian, he created a great deal of interest in science in general. He has followed in Allen's footsteps and brought ornithology and science to a wide audience. For these reasons and more, it is fitting that Mr. Ripley receive the award," said Charles Walcott, executive director of the Laboratory of Ornithology.

Cornell Chronicle

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

Melby Will Leave Vet College for Industry

Dean for 10 Years, He Will Join SmithKline AHP

Edward C. Melby, Jr., dean of the New York State College of Veterinary Medicine here, has resigned his position to become vice-president of research and development at SmithKline AHP, a division of SmithKline Beckman Corporation of Philadelphia.

Melby will leave Cornell on November 1 and assume his new position early in 1985.

Cornell Provost Robert Barker said, "During Dr. Melby's 10 years as dean, the college has contributed to the health and economy of the state by building public service programs, and has advanced the quality of medical education available to our students as well as to all practicing veterinarians in the state. However, his tenure will be especially remembered as a period when the college established itself as a leading research institution and medical school."

"We value his contributions and wish

him well as he assumes the leadership of the research and development division of one of the nation's preeminent biomedical health care firms," Barker said.

Melby came to Cornell from the Johns Hopkins University School of Medicine, where he was professor and director of the Division of Comparative Medicine. Prior to that, he was in private veterinary practice in Vermont.

Dr. Melby has held numerous professional and honorary positions in the fields of both human and animal medicine.

Currently, he is a consultant to the National Institute of Child Health and Human Development, a member of the Scientific Advisory Committee of the New England Regional Primate Research Center of the Harvard Medical School, a member of the editorial boards of *The Prostate*, *the Journal of Medical Primatology*, and *the Cornell Veterinarian*,

and a consulting editor of the *Equine Veterinary Research Directory Board*.

In addition, he was a member of the Board of Directors of the Charles River Breeding Laboratories, Inc. He is currently the representative of the American Association for the Advancement of Science to the Board of Trustees of the American Association for Accreditation of Laboratory Animal Care, president of the Association for Biomedical Research, and a member of the scientific advisory boards of California Biotechnology Research, Inc., and InTech Systems, Inc. Locally, Melby is a director of the Tompkins County Trust Company.

Dr. Melby was born in Burlington, Vt., and attended both the University of Pennsylvania and the University of Vermont before enrolling in the College of Veterinary Medicine at Cornell.



EDWARD C. MELBY

Federal Official Joins in Dedication Of Snee Hall for Geological Sciences

By ROGER SEGELKEN

Heralding a new age of competitiveness among nations in capturing scientific advances for technological advantage, a federal government official speaking here Monday called for a new academia-industry-government partnership.

John P. McTague, deputy director of the Office of Science and Technology Policy, joined visiting geophysicists, University administrators and members of the William Snee family to dedicate the new Snee Hall for Geological Sciences.

An adviser to the president of the United States, McTague participated in a day-long symposium, which also featured Queens College President E. Ronald Oxburgh speaking on "Energetics of the Earth" and Institut de Physique du Globe director Claude J. Allegre of the University of Paris on "The Invasion of Chemistry."

Construction of the \$10.9 million, four-level structure, the first permanent facility for geological sciences in the 116-year history of that department, was funded largely by the estate of the late William E. Snee. Snee earned degrees in chemistry from Cornell in 1924 and 1926. He was a leader in the gas and oil industry in Pennsylvania for more than 40 years.

American industry, while still achieving remarkable technological advances, is less successful in keeping up with the international competition, McTague told an audience gathered in Statler Auditorium for the symposium's keynote address.

"Several countries, prime among them Japan, have been faster and more effective than we have in capturing scientific advances — often created by U.S. research — for technological advantage," said McTague. He spoke on the topic: "Federal Research and Development: What Does America Get for its \$55 Billion per Year?"

A chemist and university professor before joining the Reagan administration, McTague said: "The U.S. created the computer industry, yet Japan dominates the 64K RAM market. The U.S. created the manufacturing robot, yet Japan dominates the commercial market and leads in using robots to increase both quality and productivity." The government official acknowledged that he drives a Japanese automobile "because it's better than what U.S. companies produce."

Before facing a battery of questioners that included Vice President for Research Joseph M. Ballantyne, professor of Chemistry Emeritus Franklin A. Long, and Nobel Prize-winning physicist Kenneth G.



At the dedication of Snee Hall Monday are (from left) John P. McTague, deputy director of the Office of Science and Technology Policy, keynote speaker; Donald Turcotte, chairman of the Department of Geological Sciences; Mrs. Katherine Snee, and President Frank Rhodes.

Wilson, McTague outlined a five-point program for improving federal research and development efforts.

"Government has a responsibility for helping our colleges and universities create an environment for attracting and retaining faculty of the highest quality," McTague said. "That means improving the climate for research on campus so that ambitious scientists and engineers won't feel compelled to take jobs in industry."

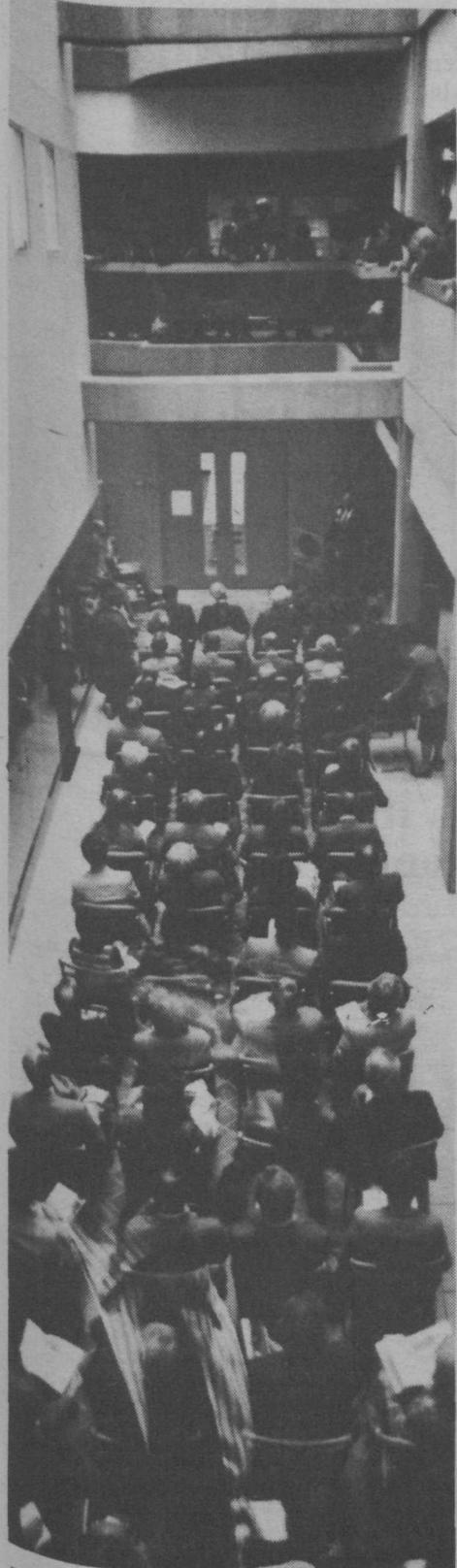
High priority should be placed by government on the generation of knowledge, by supporting basic research across the spectrum of scientific frontiers, the policy adviser told the Cornell audience. "Special attention has to be paid to those areas of research that are of particular importance to industrial competitiveness," McTague said, citing the emerging biotechnology industry as one that has benefitted from decades of federally sponsored basic research.

"Government should recognize that traditional means of supporting university research severely limit its usefulness to broad areas of industrially important topics," McTague said. "Working in partnership with both academia and industry,

government should help establish means for university faculty and students to work on forefront industrial problems. We have to find mechanisms for students to learn how to solve problems that have multi-disciplinary dimensions. That is, real-world problems."

Stimulating the flow of ideas, expertise, and people between federal laboratories, universities and industry is equally important, McTague said. He called federal laboratories, where one-sixth of the nation's scientists and engineers work with a combined budget of \$18 billion, "underutilized resources" and said, "We better be finding ways to get substantial industrial benefit out of a federal investment of that magnitude."

The U.S. has come far, in a brief time, in accepting the realities of a "new age of competition," the presidential policy adviser said. "That new age is just starting, and the pressures are only going to intensify as more nations join the contest. We're at the point now where we must recognize that government, industry and universities have to build a more realistic and more effective relationship."



Part of the crowd at the dedication of Snee Hall Monday.

Kresge Gift Gives Boost To Performing Arts

Cornell University's Center for Performing Arts project moves to within \$3.2 million of its fund-raising goal with the recent awarding of an \$800,000 grant from The Kresge Foundation of Troy, Mich.

The total raised to date is \$16.3 million with \$2 million of that reserved for maintenance endowment. The total cost of the Collegetown facility will be \$19.5 million, which includes a \$3 million budget for maintenance endowment.

Cornell President Frank Rhodes said, "The Performing Arts Center is a university priority, and I am grateful to The Kresge Foundation for choosing to become a partner in our effort to place Cornell among the foremost academic institutions offering training in the performing arts."

Primary architectural plans for the center were made by James Stirling, Michael Wilford and Associates, and include a loggia or open gallery along Cascadilla gorge, a garden, and a high circular tower. Stirling, who won the 1981 Pritzker Architectural Prize for his life's work, is widely regarded as one of the world's premier architects.

The center will house three theaters and several studios, as well as classrooms, workshops, and faculty offices. The largest theater will seat about 500 and will be used

both for student productions and performances by visiting artists.

The center will serve the 1,500 students who take courses and participate in productions of the performing arts, as well as more than 12,000 people from the Cornell and Ithaca communities who attend a variety of performances on campus.

Groundbreaking for the center is scheduled for this Friday, Oct. 12; the expected completion date for the Center is late 1986.

The Kresge Foundation is an independent, private foundation created by the personal gifts of Sebastian S. Kresge; it is not affiliated with any corporation or organization. Foundation grants are made to institutions in the areas of higher education, health care, and related services, the arts and humanities, social services, science, conservation, religion, and public safety.

This year, the foundation chose to support Cornell's Performing Arts Center after considering 1,275 proposals and awarding more than \$35 million to 128 charitable organizations in the U.S. and Canada. Most of these projects involved construction or renovation of facilities, and were made on a challenge basis, as was the Cornell grant.

United Way Chairpersons Named for Fall's Campaign

Division chairpersons from most of Cornell's colleges and departments have been appointed for the 1984 United Way campaign now getting under way on campus.

In addition to 25 division leaders, five campaign deputies have been designated, according to John S. Ostrom, the university controller; Ostrom is serving as general chairman for the Cornell portion of the United Way of Tompkins County drive.

General campaign deputies will be John McKeown, Mary Nicotera and Clint Sidle. Joel Zumoff will be in charge of systems programming for the campaign that reaches every Cornell faculty and staff member and encourages payroll deductions of United Way pledges. David Watkins will serve as campaign deputy for publicity.

Named as division chairpersons are: Vickie Goss, Architecture, Art, and Planning; Helen Wardeburg, Agriculture and

Life Sciences; Harriet Peters, Graduate School of Management; Robert Wehe, Engineering; John Knight, Hotel Management; and Bernard Ryan, Human Ecology.

The campaign in Industrial and Labor Relations will be headed by David Eastman; Law School, Charles Wolfram; Veterinary Medicine, Robert Brown; Nutrition, Betty Lewis; Biological Sciences, John Miner; Boyce Thompson, John Dentes; Libraries, Paul Eldridge; Financial Aid and Admissions, April Kampney; Computer Services, Eugene Holleran; Athletics, Richie Moran; Personnel, Pat Hutton; Campus Life, Len Nissenson and Dorothy Cotton.

Facilities, Henry Miller; Public Affairs, Ann McCann, Gill Ott, and Murray Death; Student Services, John Spencer; Cooperative Extension, David Smith.

Cornell Abroad Program in Germany Seeks First In-Residence Director

A Cornell faculty member is being sought to serve as the first In-Residence Director of the newly established undergraduate Cornell Abroad Program at the University of Hamburg in West Germany.

Initial applications for the directorship, which will run from Aug. 15, 1985, through July 20, 1986, must be submitted by Friday, Oct. 19, to the Cornell Abroad Office at the Center for International Studies in 170 Uris Hall, or by notifying Arch Dotson, director of the program. He can be reached by telephone at 256-6370.

In addition to teaching one course each semester, the director will have a variety of administrative tasks, including

academic and personal counseling, arranging occasional program excursions, meeting with German colleagues, and ascertaining credit for student's work. Any accredited course taught at Cornell is acceptable for the program.

The director of the 1985-86 program will be selected this fall and become directly involved in planning the first year's program.

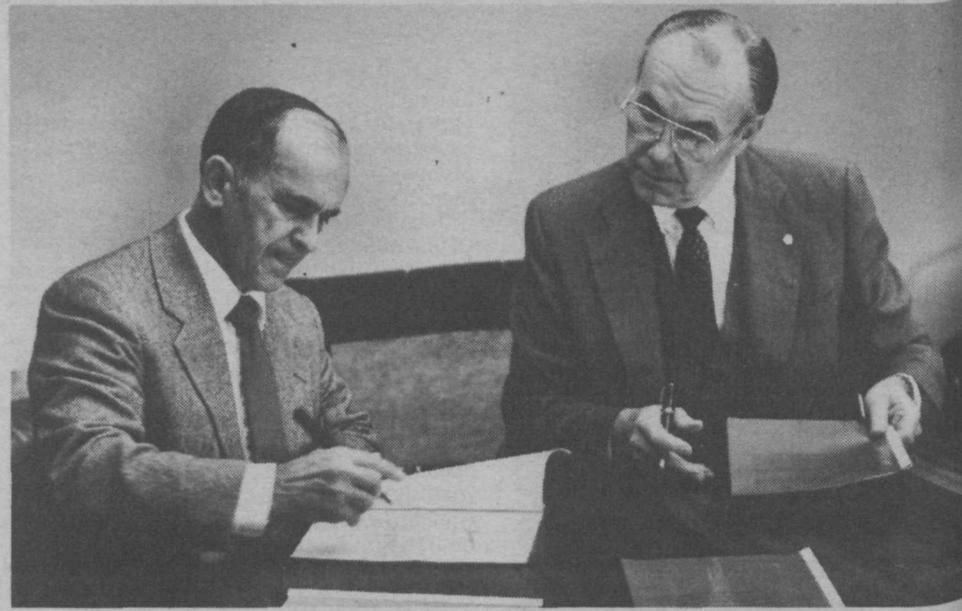
The director's year in Hamburg will be counted as a normal teaching year toward the sabbatical. Faculty interested in the directorship for 1986-87 and 1987-88 also should apply at this time.

Up to 20 Cornell students will take part in the program. The students will begin the year with intensive language study, enroll in regular classes of the University, and work with German tutors in supplemental sessions. All students will live in dormitories at the University of Hamburg.

The director will reside in the faculty apartment located on the Hamburg campus.



Monitoring the usage of the University's newest computing facility for students, the Tower Room in Uris Library, are, from left, James F. Manning, manager of terminal operations for Cornell Computer Services; Kathe Shaff, computer operator; and Yoram Szekely, Uris librarian. With 24 microcomputers and six printers, the facility is one of many that will be linked in a hierarchy of networks in the new telecommunications system. Signing the contract for the new system, to be installed by AT&T's Information Systems, are Robert M. Matyas (left), Cornell vice president for facilities and business operations, and L. W. Plekenpol, eastern regional vice president of AT&T-IS.



Cornell Alumni Across the Nation Gather Tonight for Second 'Reunion'

More than 2,500 Cornell alumni from across the nation will gather this evening for the Second Annual National Reunion. The event will expand upon last year's reunion, the first and largest of its kind.

Billed as the largest college reunion ever, Cornell alumni plan to gather at events scheduled to take place simultaneously (local time) in 20 cities across North America. Cornellians from at least 25 classes are expected to attend the event from 6 to 10 p.m. A major goal of the program is to introduce younger alumni to the many alumni activities of the university.

This event will give Cornell alumni a chance to make and renew friendships, and to view the vice presidential debate scheduled for tonight.

The 24-city get-together was planned more than a year ago. According to national coordinator Brenda A. Jacobs, a 1977 Cornell graduate, the first such reunion was held in 16 cities last year and was such a success that the alumni decided to aim for a bigger national reunion this year.

"Last year's event was initiated by a small group of alumni who graduated in the '70s and '80s," Jacobs said. "We saw it as a one time only event. But, once word of the National Reunion spread, Cornellians from

other classes, and in cities where the event was not held last year, asked if they could be included in a future national event. We knew then that we just had to do it."

The long range planning of the event created only one problem. The Cornell alumni chose their Oct. 11 date long before they knew that the debate between the candidates for vice president of the United States would also take place that evening. "No problem," says Jacobs. "We're arranging to have televisions set up in most of the locations so that alumni don't have to rush home. First they'll toast Cornell and then the victor of the debate!"

Alumni of Cornell will get together in the following cities: Albany, Atlanta, Boston, Chicago, Cincinnati, Dallas, Houston, Ithaca, Kansas City, Los Angeles, Louisville, Miami, New Orleans, New York City, Orlando, Philadelphia, Pittsburgh, Rochester, St. Louis, San Francisco, Seattle, Toronto, Tulsa, and Washington, DC.

Members of Cornell graduating classes from the '60s through 1984 received official notice of the cross-country event from the University's Alumni Affairs Office, which identified 10,000 young alumni living in and around the cities where the event is being held.

Willsboro Farm Does Important Research

By YONG KIM

Scientists at Cornell are involved in several hundred research projects each year, ranging from development of superior crop varieties important to New York farmers to decoding the secrets locked inside the innermost part of living cells that make up life as we know it.

Most of the scientists work in modern laboratories on the Ithaca campus, but some conduct research at various locations around the Empire State in order to find solutions to problems facing specific regions where soil and growing conditions differ sharply.

The Willsboro Farm of Cornell University, which commands a picturesque view of Lake Champlain in Essex County, is one such off-campus research site where scientists from the State College of Agriculture and Life Sciences at Cornell are stepping up their research efforts on many fronts.

Given to Cornell in 1982 by E. V. Baker of Willsboro, member of the Cornell Class of 1923, the 302-acre farm is the hub of agricultural research activities ranging from studies of soil, water, and crop management to crop systems involving small grains and forages, to potato breeding. Willsboro Farm was first used by Baker's grandfather for apple production. In more recent years, the farm was used mainly for hay production.

Studies now under way on this research farm will have direct impact on the growing agricultural industry in New York State's North Country.

Aside from the magnificent Adirondack Mountains and thousands of pristine mountain lakes and streams, the State's North Country region consists of six counties located some 250 miles north of New York City. Equal in size to Vermont and Rhode Island combined, this region is becoming an important agricultural area, and the Willsboro Farm research center is expected to play an important role in boosting the North Country's agricultural economy, as well as agribusiness throughout the state in the years ahead.

At an open house in late August, members of the Cornell research team



Kenneth E. Wing, left, acting dean of the College of Agriculture and Life Sciences, welcomes visitors to Willsboro Farm during a recent open house and progress report.

working at Willsboro Farm described the progress they have made since the farm was dedicated two years ago.

Headed by Robert F. Lucey, a professor and chairman of the department of agronomy, Cornell researchers representing several disciplines are engaged in research projects including potato breeding, cropping systems involving forage and cereal crops, soil compaction, soil and water management, monitoring of pesticide leaching, and limited-tillage systems.

Other scientists involved in these research projects include plant breeders W. Ronnie Coffman, Carl C. Lowe, Robert L. Plaisted, and Mark F. Sorrells, agricultural engineers Larry D. Goehring and Michael F. Walter, agronomists Ray B. Bryant, W. Shaw Reid, Victor A. Snyder, and Robert J. Wagenet, and their graduate students.

Some 20 acres of land at Willsboro Farm are devoted to potato breeding, with the production of the first generation of seedlings totaling about 90,000 plants annually. The farm is well suited to such work because the soil is uniform, thus each plant gets an equal opportunity to survive selection. Tubers produced on the farm are brought to Ithaca for further evaluation.

Although Willsboro is used to produce only one generation of breeding material in the long selection process, it represents about 40 percent of the land that Cornell's potato breeding programs require. Potato

research at Willsboro Farm complements work being carried out at another Cornell research facility, Uihlein Farm at Lake Placid, the official foundation seed potato farm in New York State.

Ultimately, tubers produced at Willsboro will lead to new, better-performing varieties that will benefit New York's potato industry, particularly in similar latitudes.

Another part of the Willsboro Farm is used to test bread-type wheat known as hard red spring wheat. In recent years, New York State farmers began producing spring wheat to meet the growing demand for locally grown wheat used for bread. Traditionally, soft white winter wheat used for pastry flour and breakfast cereal has been the predominant wheat in New York.

Included in the research and demonstrations with small grains is the testing of new varieties of spring oats.

Forage crops are adapted to all classes of agricultural land in the North Country. They are a principal feed component of the state's thriving dairy industry, representing a valuable crop resource for use in future agricultural development. The Willsboro Farm currently is being used for production trials to compare new experimental varieties of red clover and birdsfoot trefoil. These two legume species have particular significance in the North Country because of their tolerance for imperfect soil drainage. Focus of the study is on longer stand life for red clover and

greater disease resistance and productivity for birdsfoot trefoil.

Also receiving increasing attention at Willsboro is a project involving soil and water management. Like tens of thousands of acres of farmland across the Empire State, significant portions of the Willsboro Farm drain poorly.

Some 65 acres of the farm now have been drained with subsurface (tile) drainage to improve water management and also to reduce erosion. An experimental site on the farm is being constructed to evaluate drainage design techniques and flow theory. Intensive measurements of saturated hydraulic conductivity (the rate at which water moves through the soil) has been completed, and an actual drain installation based on these results soon will be installed and monitored.

Another site being constructed on the farm is for evaluating controlled drainage and irrigation techniques. The effect of fluctuating water tables on crop growth will be studied; the results will be important in evaluating effective drainage designs. Drainage improvements help make farm operations efficient and timely, boosting crop yields and permitting greater flexibility in the use of soils on the farm.

Information gathered from current and future research efforts at the farm will be disseminated through Cornell Cooperative Extension.



Cornell Vice President David L. Call and E.V. Baker '23 inspect the experimental potato fields at Willsboro Farm.



Agronomist Victor Snyder (far left) explains studies of the fluctuating water tables to visitors at the recent open house at Willsboro Farm.

Calendar

All items for publication in the Calendar sections, except for Seminar notices, must be submitted (typewritten, double spaced) by mail or in person to Fran Apgar, Central Reservations, 531 Willard Straight Hall at least 10 days prior to publication. Seminar notices should go to the Chronicle office, 110 Day Hall. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the calendar in which it should appear (lectures, colloquia, etc.) ALL DEADLINES WILL BE STRICTLY ENFORCED.

*—Admission charged.

Announcements

Amnesty International

Cornell students, in association with Amnesty International, continue to work for the release of prisoners of conscience and the end of torture all over the world. Individuals who wish to learn more about Amnesty International and how they may participate are encouraged to drop by AI's information table in Willard Straight Hall each Friday from 10 a.m. to 2 p.m.

Amnesty International, a worldwide movement, is independent of any government, political faction, ideology, economic interest, or religious creed. AI works specifically for the release of "prisoners of conscience," men, women and children detained anywhere because of their beliefs, color, sex, ethnic origin, language or religion provided they have neither used nor advocated violence. Each prisoner is carefully and thoroughly researched to make sure he or she meets this important criteria.

Writing Workshop Walk-In Service

Free tutorial instruction in writing. Monday-Thursday, 3:30-0 p.m. & 7:30-10 p.m.; Sunday, 3-8 p.m. at 170 Rockefeller Hall.

Personal Effectiveness Seminar

CRESP and Transformation Workshops are presenting a new eight-week course with Let Davidson, Ph.D., on building the personal qualities and skills essential for improved effectiveness in daily living. Emphasis is on developing creativity, handling problems, insight, self-knowledge, commitment and life purpose, vitality and peace. Meets Thursdays, 7-10 p.m., beginning October 11. For information and registration call Let Davidson at 272-4131.

Jewish Women and Self Esteem

Experiential Workshop/Discussion on Jewish Women and Self Esteem will be held Sunday, October 21, 9:15 a.m.-4:30 p.m. For information and registration call Rachel Siegal, 273-2028 or Joyce Sirlin-Rand, 256-5208 (daytime). Sponsored by Hillel.

Personal Growth Workshops

Short-term, small skills building and support workshops, free and confidential. Workshops are offered by Dean of Students Office. To sign up or for more information, call 256-3608 or stop by 103 Barnes Hall. Open to all in the Cornell Community.

Cornell Figure Skating Club

Skate for free at the annual Open House on Sunday, October 21, from 4:30-7:30 p.m. at Cornell's Lynah Rink. Membership is open to all; beginners welcome. Lessons available, family rates and student discounts. For information call Barb Van Dyk, 273-6181 (days); Ellen McCollister, 272-5936 (eves); or Gail Kramer, 272-8158 (eves).

Dance

Cornell Folkdancers

The Cornell Folkdancers teach folkdancing every Wednesday and Sunday night from 7:30-9 p.m.; followed by request dancing till 10:30 p.m. Beginners welcome, free, no partners needed. Information at 257-3156 or 256-7149. Location for Sundays is in the North Room of Willard Straight Hall, and for Wednesdays the lounge of Upson Hall, through October.

Cornell Jitterbug Club

The Cornell Jitterbug Club will dance on Wednesdays from 9-11 p.m. in the Anabel Taylor Edwards Room. Beginners taught from 9-10 p.m. For information call 273-5268.

Israeli Folk-Dancing

Israeli Folk-Dancing will be held on Tuesday, October 15, in the One World Room of Anabel Taylor. Instruction 8-9 p.m.; Requests 9-11 p.m. The group regularly meets on Thursdays.

Exhibits

Uris Library

Samuel Johnson, Commemorating the 200th Anniversary of His Death. First editions of the "Dictionary", "Rasselas", and the "Vanity of Human Wishes." Hours 10 a.m.-5 p.m. Monday through Friday. Exhibit through December 31.

Herbert F. Johnson Museum

"John B. Brady, 1953-83, Prints and Drawings," through Oct. 28. "Cornell University Art Department Faculty Exhibition" through Oct. 28. "Contemporary Chinese Painting: An Exhibition from the People's Republic of China" through Oct. 28.

Willard Straight Art Room

"Contemporary Asian Art" by Lorraine Huang. Through Oct. 12, 9 a.m.-9 p.m.

Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

Thursday

Oct. 11, 12:20 p.m. Warren 34. Rural Sociology 104, "Kibbutz" (Israel). Instructor: Dhill Mirtenbaum.

Oct. 11, 5 p.m. Uris Hall Auditorium. "Gouma" (1976), directed by Michel Paptakis, with Kibrom Hagos, Seyoum Mulugeta. Sponsored by NYCH, Ithaca College and Cornell Cinema.

Oct. 11, 8 p.m. *Uris Hall Auditorium. "Seeing Red" (1983), directed by Julia Reichert & James Klein. (Documentary with interviews of past and present members of the American Communist Party). Guest speaker: Julia Reichert.

Friday

Oct. 12, 10 p.m. *Uris Hall Auditorium.

"Seeing Red." Short: "The Gender Gap."

Oct. 12, midnight *Uris Hall Auditorium. "A Clockwork Orange" (1971), directed by Stanley Kubrick, with Malcolm McDowell.

Saturday

Oct. 13, 7:30 p.m. *Uris Hall Auditorium.

"Seeing Red."

Oct. 13, 10 p.m. *Uris Hall Auditorium. "A Clockwork Orange."

Sunday

Oct. 14, 2 p.m. Johnson Museum. Film/Video Animations & Graphics (Program 7). Video Art by Shalom Gorewitz and Barbara Buckner. Co-sponsored with American Federation of Arts and the New York State Council on the Arts.

Oct. 14, 8 p.m. *Uris Hall Auditorium. "Blood Wedding" (1982), directed by Carlos Saura, with Antonio Gades, Christina Hoyos. Shown with: "Nine Variations on a Dance Theme."

Monday

Oct. 15, 8 p.m. *Uris Hall Auditorium. "Oklahoma" (1955), directed by Fred Zinnemann, with Gorden MacRae, Shirley Jones.

Tuesday

Oct. 16, 8 p.m. *Uris Hall Auditorium. "The World of Apu" (1959), directed by Satyajit Ray, with Soumitra Chatterjee, Sharmila Tagore.

Wednesday

Oct. 17, 8 p.m. *Uris Hall Auditorium. "Martin Luther" (1953), directed by Irving Pichel, with Niall MacGinnis, John Buddock. Introduced by Aaron Pichel.

Friday

Oct. 19, 10 p.m. *Uris Hall Auditorium. "Fanny and Alexander" (1983), directed by Ingmar Bergman, with Pernilla Allwin, Bertil Guve.

Friday & Saturday

Oct. 19 & 20, 8 p.m. *Statler Auditorium. "Apocalypse Now" (1979), directed by Francis F. Coppola, with Robert Duvall, Marlon Brando.

Oct. 19 & 20, 11:15 p.m. *Statler Auditorium. "Beat Street" (1980), directed by Stan Lathan, with Rae Dawn Chong.

Saturday

Oct. 20, 8 p.m. *Uris Hall Auditorium. "Fanny and Alexander" (1983), directed by Ingmar Bergman, with Pernilla Allwin, Bertil Guve.

Sunday

Oct. 21, 2 p.m. *Uris Hall Auditorium. "The Point" (1970), directed by Fred Wolf, animated songs by Harry Nilsson. Co-sponsored with Ithaca Youth Bureau.

Oct. 21, 8 p.m. *Uris Hall Auditorium. "Tapdancin'" (1980), directed by Christian Blackwood, with Nicholas Brothers, Bill "Bojangles" Robinson, The Copasetics. Shown with: "Syvillat: They Dance to Her Drum." Co-sponsored with Black Dance Series.

Lectures

Thursday

Oct. 11, 12:15 p.m. A.D. White Library (2nd floor). "Literary Study in the German Democratic Republic," Leonard Goldstein, Professor of English, Potsdam University. German Demo-

cratic Republic. Sponsored by the English Department, Society for the Humanities and the German Department.

Oct. 11, 12:15 p.m. Uris Hall 350. Brown bag luncheon/discussion: "Anti-Semitism in Modern Greece," Gail Holst Warhaft, a Lecturer in the Classics Department, Cornell. Rescheduled from Sept. 13.

Oct. 11, 12:20 p.m. 102 West Ave. Southeast Asia Program luncheon seminar: "Sharp Rays: Javanese Responses to a Solar Eclipse," Ward Keeler, Professor of Anthropology, University of Michigan.

Oct. 11, 4:30 p.m. Goldwin Smith 156. "A Social Theory of Shakespearean Tragedy," Leonard Goldstein, Professor of English, Potsdam University. German Democratic Republic. Sponsored by the English Department, Society for the Humanities, and the German Department.

Oct. 11, 7:30 p.m. Stimson G-1. Jordani: Natural History Society Lecture: "Social Behavior in Lions," Sara Cairns.

Oct. 11, 8 p.m. Anabel Taylor Auditorium. "Freedom: The Vision of Vedanta." A series of 2 talks by Swami Dayananda. Cosponsored by CRESP, Cornell India Association, and Southeast Asia Program.

Friday

Oct. 12, 12:15 p.m. Uris Hall 153. "From Braudel to Foucault," Michel de Certeau, Directeur de l'Ecole des Hautes Etudes en Sciences Sociales, Paris, and a Senior Fellow of the Society for the Humanities at Cornell. Brown bag luncheon/discussion. Sponsored by the Western Societies Program.

Wednesday

Oct. 17, 7:30 p.m. Willard Straight Memorial Room. The Eco-Justice Council, Center for Religion, Ethics and Social Policy Fall Forum Series: "Assessing Reagan's Record." "Minority Concerns" Mary F. Katzenstein, Associate Professor, Government and Women's Studies; Margaret Feldman, Emeritus Professor, Psychology, Ithaca College; others to be announced.

Oct. 17, 7:30 p.m. Statler Inn Main Lounge. "Meet the Travelers." Professor Emeritus William Foote Whyte, of the Industrial and Labor Relations School, and Mrs. Kathleen Whyte will be talking about "Discovery of the Cooperatives in the Basque Country: Mondragon, Spain." The talk will be illustrated by their color slides.

Thursday

Oct. 18, 12:20 p.m. 102 West Avenue. Southeast Asia Program brown-bag luncheon seminar. Speaker to be announced.

Oct. 18, 4:30 p.m. Morrill 106. Cornell Linguistics Circle presents Professor Ray Jackendoff of Brandeis University. "On Beyond Zebra: The Correspondence of Linguistic and Visual Representations."

Oct. 18, 4:30 p.m. Goldwin Smith Hollis Cornell Audit. "Folklore in the Modern World," Alan Dundes, Professor of Anthropology and Folklore, University of California, Berkeley. University Lecture.

Oct. 18, 7:30 p.m. Stimson C-1. Jordani: Natural History Society. "Salamanders" (specific topic to be announced). Ellen Dawley.

Friday

Oct. 19, 10 a.m.-noon Uris Hall 202. Society for the Humanities Seminar. "Festival, Ritual, Horserace: The Palio of Siena," Alan Dundes, University of California, Berkeley.

Meetings

Every Tuesday

The Cornell Outing Club meets weekly at 7:30 p.m. at Japes (behind Noyes Lodge with the canoes on the roof).

Every Thursday

Gay People at Cornell (GAYPAC) hold weekly meetings in Loft III of Willard Straight Hall. Business meeting at 7 p.m. and Discussions at 8 p.m. Call 256-6482 for information.

Every Tuesday

Cornellesbians hold weekly meetings at 5 p.m. Call 256-6482 for specific location and discussion topic.

Music

Thursday

Oct. 11, 8:15 p.m. Barnes Hall. Cornell Contemporary Chamber Ensemble directed by Fred Cohen. Works of Crumb, Harrison, Zwilich. Sponsored by Council of the Creative and Performing Arts.

Tuesday

Oct. 15, 8 p.m. *Anabel Taylor Auditorium. Balinkie Productions and the Commons Coffeehouse present Claudia Schmidt and Greg Brown in Concert. Tickets available at the

October 1984

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| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

Commons Coffeehouse, Ithaca Guitar Works and Borealis Bookstore. For more information call 256-3448.

Thursday

Oct. 18, 4:30 p.m. Barnes Hall. International VerdiWagner Conference. Keknote address by Joseph Kerman.

Friday

Oct. 19, 8:15 p.m. Barnes Hall. Music of the 19th Century: Cornell Chorale conducted by Thomas A. Sokol; Marina Gilman, soprano, George Barth, fortepiano, Sonya Monosoff, violin, Lynden Cranham, cello. Works of Verdi, Wagner, Beethoven.

Sunday

Oct. 21, 4 p.m. Bailey Auditorium. Cornell Symphonic Band conducted by Marice Stith. Works of Prokofiev, Rossini, Sousa, Beethoven, others.

Religious Services

Catholic

Mon.-Fri., 12:15 p.m. Anabel Taylor Chapel. Catholic Mass.

Every Saturday, 5 p.m. Anabel Taylor Auditorium. Catholic Mass.

Every Sunday, 9:30 & 11 a.m., 5 p.m. Anabel Taylor Auditorium. Catholic Mass. Sacrament of Reconciliation by appt. G-22 Anabel Taylor Hall.

Christian Science

Every Thursday, 7 p.m. Anabel Taylor Founders Room.

Episcopal

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

Friends (Quakers)

Every Sunday Anabel Taylor Edwards Room. Meeting for Worship at 11 a.m.; Adult Discussion and First Day School at 9:45 a.m. Baby sitting provided.

Korean Church

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

Lutheran

Every Sunday, 10:45 a.m. Worship Service. Sunday Church School at 9:30 a.m.

Muslim

Every Friday, 1 p.m. Anabel Taylor Edwards Room. Juma' Prayer. Anabel Taylor 218. Zuhr, Asr and other prayers.

Every Sunday, 12:30 p.m. Anabel Taylor Hall. Sunday meeting, discussion groups, children's classes, etc.

Protestant Cooperative Ministry

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

Seventh Day Adventists

Every Friday, 7:30 p.m. Anabel Taylor Room 314.

Friday

Oct. 12, 6 p.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian Minyan).

Oct. 12, 6 p.m. Anabel Taylor Chapel. Shabbat Services (Reform Minyan).

Oct. 12 Shabbat Services (Orthodox Minyan). Call 272-5810 for information.

Saturday

Oct. 13, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox Minyan).

Sunday

Oct. 14 No Sage Chapel Service.

Wednesday

Oct. 17, 7:30 p.m. Anabel Taylor Founders Room. Erev Shemini Atzeret Services.

Thursday

Oct. 18, 9:15 a.m. Anabel Taylor Edwards Room. Shemini Atzeret Services.

Oct. 18 Joint celebration of Simchat Torah with Temple Beth-El. Call 273-5775 for information.

Sunday

Oct. 21, 11 a.m. Sage Chapel. Preacher: Robert L. Johnson, Director, Cornell United Religious Work.

Seminars

Biochemistry: "Structural Basis of Specific Interaction Between Proteins and DNA: Repressors and Gyrase," Stephen Harrison, Department of Biochemistry and Molecular Biology, Harvard University, 4:30 p.m. Friday, Oct. 12, 204 Stocking.

Biophysics: "Biochemical Consequences of Macromolecular Crowding," Dr. Allen Minton, Laboratory of Biochemical Pharmacology, NIADDK, National Institutes of Health, 4:30 p.m. Wednesday, Oct. 17, 700 Clark.

Boyce Thompson: "Molecular Biology of the Cytoplasmic Polyhedrosis Viruses," C. C. Payne, Glass Crops Research Institute, Littlehampton, U.K., 10:15 a.m. Wednesday, Oct. 17, BTI Auditorium.

CISER: "The Structure of Social Science," James N. Morgan, professor of economics and program director of the Survey Research Center, University of Michigan, Ann Arbor, 12 noon Monday, Oct. 15, 202 Uris Hall.

Consumer Economics and Housing: "Theory and Research on Choice," James N. Morgan, professor of economics and program director of the Survey Research Center, University of Michigan, Ann Arbor, 3:30 p.m. Monday, Oct. 15, 114 Martha Van Rensselaer.

Ecology and Systematics: "Why Lizards Stick Out Their Tongues: Studies of Chemoreception," Dr. Carol Simon, Department of

State Deuterium NMR Studies," Dr. L. W. Jelinski, AT&T Bell Labs, 2:30 p.m. Thursday, Oct. 18, 140 Bard.

Physiology: "Sexual Dimorphism in OT and AVP in the Brain," Geert De Vries, the Netherlands Institute for Brain Research, 4:30 p.m. Tuesday, Oct. 16, G-3 Veterinary Research Tower.

Plant Biology: "Interactions Between Diphenyl Ether and Chloroplasts," Dr. Ruth Alscher, research associate, Department of Environmental Biology, Boyce Thompson Institute, 11:15 a.m. Friday, Oct. 12, 404 Plant Science.

Plasma Studies: "Compact Torii for Ignition Experiments," Professor G. Miley, University of Illinois, 4:30 p.m. Wednesday, Oct. 17, 282 Grumman Hall.

Psychology: "Children's Thinking About Food and Eating," Christine Olson, Nutritional Sci-

Varsity CrossCountry-Rochester.
Oct. 12, 4:25 p.m. Moakley Course. Men's Varsity Cross Country-Canisus and Rochester.
Oct. 12, 7:30 p.m. Schoellkopf. Ltwt Football-Princeton.
Saturday
Oct. 13, 2 p.m. Schoellkopf. Men's JV Soccer-Binghamton.
Tuesday
Oct. 16, 4 p.m. Kite Hill Courts. Women's Tennis-Syracuse.
Saturday
Oct. 20, 10 a.m. Schoellkopf. Women's Varsity Field Hockey-Brown.
Oct. 20, 11 a.m. Schoellkopf. Women's Varsity Soccer-Brown.
Oct. 20, 1:30 p.m. *Schoellkopf. Varsity Football-Brown.
Sunday
Oct. 21, 4:30 p.m. Schoellkopf. Men's JV Soccer-Scranton.

to medical, dental, or public health degrees. Applications are available at the Graduate Fellowship Office, 110 Sage Graduate Center.
November 21: National Science Foundation 1985-86 Graduate Minority Fellowships Same criteria as for NSF Graduate Fellowships. In addition, applicants must be members of one of the following ethnic minority groups: American Indian, Black, Hispanic, Native Alaskan (Eskimo or Aleut), or Native Pacific Islander (Polynesian or Micronesian).

CIVITAS

AFTER-SCHOOL PROGRAM for mural elementary children needs two leaders to work with four other leaders and staff worker to plan, organize and lead program for 4-5-6th graders, Wed. afts., 2-5 p.m. Focus is on hands-on activities such as cooking/nutrition, arts and crafts, woodworking and indoor gardening. Program serves 20-25 children, and each leader works with four children each week. Volunteers meet downtown, and transportation is provided there and back to Ithaca.

AFFIRMATIVE ACTION COMMITTEE of the Ithaca City School District is seeking new members for the 1984-85 school year. The responsibility of the Committee is to assist in monitoring and evaluating the implementation of the District's Affirmative Action Plan. Membership includes representatives of all district employee groups, parents, students, school board and non-schoolrelated community members. Meetings take place once a month after school hours.

PRESCHOOL FOR HANDICAPPED CHILDREN seeks program aides to work directly with young children in the classroom for 2-4 hours a week between 9 a.m.-2 p.m., any day, M-F. On-the-job training, but you will need a car to get there.

ASSISTANCE PROGRAM FOR REFUGEES hopes to find volunteers to tutor English. Place and time flexible and to be worked out for mutual convenience of tutor and tutee.

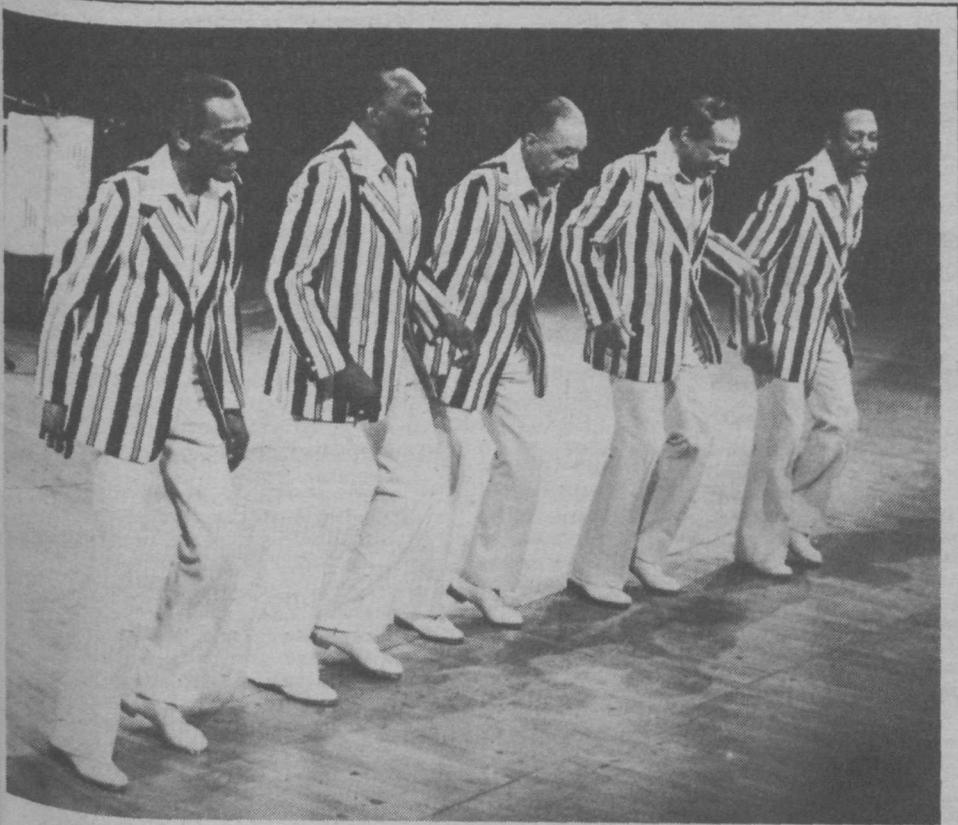
SPANISH TUTOR sought for teenager living in a Group Home. An hour or two once a week after school in the afternoon or evening, or possibly on the weekend, is needed. Transportation provided.

MENTOR SOUGHT to teach 11th grader photography, including developing techniques. You could use the darkroom in the student's home, or the family is willing to take out membership at N.C. Union. Two to four hrs./wk., Tues. and/Thurs., 3-5 p.m., or on the weekend. Open-ended commitment for someone with intermediate level expertise in photography and developing.

BECOME A FRIEND TO A FOREIGN STUDENT studying Intensive English at Cornell. You can provide an opportunity for the foreign student to practice English in a relaxed atmosphere and be both a companion and cultural guide. This is an on-campus opportunity that is easy to fit into a busy schedule, and many past volunteers have gained a lot from their participation in this program.

TUTORING PROGRAM FOR INMATES in the local jail needs volunteers on Mon., Wed., Thurs. or Fri. mornings, 9:30-11:30 a.m. or Mon., Wed., Fri. afternoons from 2-4 p.m. A full range of skills and levels of achievement is involved. Some inmates have very limited skills, others are studying for high school equivalency exams, and one individual needs math review at the community college level.

TO RESPOND: COME TO CIVITAS 119B Anabel Taylor Hall. Open M, W, F, 9-3; T, Th, 10-2. Or call 256-7513.



Copasetics Will Salute Tapdancing

It will be a salute to tapdancing, one of America's true, native art forms, when The Copasetics bring their act to Cornell University's Bailey Hall Auditorium at 8:15 p.m. Friday, Oct. 19.

The Copasetics, five veteran hoofers who trace their careers back to the days of vaudeville and Harlem's Cotton Club, have been called "eloquent and elegant professionals" who give "great dancing on its own terms."

After half a century in show business, these entertainers can boast impressive resumes that include work in Hollywood

films, Broadway shows and nightclubs along side such talent as Ethel Waters, Lena Horne, Duke Ellington, and Count Basie. Most recently, The Copasetics appeared with the American Japan Theatre during the Olympics.

Tickets can be purchased for \$9, \$7, and \$5 at Cornell University's Dance Office in Helen Newman Hall or the main ticket office at Willard Straight Hall, and at McBooks, 106 N. Aurora St., Ithaca. Information can be obtained by calling (607) 256-2360 from 9 a.m. to noon weekdays.

Theater

Thurs.-Sat.
Oct. 11-13, 8:15 p.m. *Straight Theatre. Theatre Cornell presents Christopher Durang's wacky, modern comedy, "Beyond Therapy." Reservations may be obtained by calling the Theatre Cornell box office at 256-5165.

Barton Blotter

A senior in engineering has been charged with stealing an IBM personal computer worth \$4,005 from Clark Hall, according to the morning reports of the Department of Public Safety for the period Oct. 1 through 7.

There were 15 other thefts on campus during the same period with losses in cash and valuables totaling \$3,136. These included a \$650 human skeleton taken from McGraw Hall, 16 textbooks worth \$560 taken from White Hall Library, a \$300 rug stolen from University Hall No. 1, and a \$457 banner stolen from the Campus Store.

Other thefts included \$50 in cash taken from a Sibley Hall office; five plants worth \$155 taken from Greenhouse No. 1; a jacket and calculator worth \$280; and \$104 in cash taken from a room in Day Hall.

Five persons were referred to the Judicial Administrator, two for forging Cornell I.D. cards and three for throwing objects at the windows of The Pick-up at Noyes Lodge as patrons walked by.

Graduate Bulletin

Late initial course registration and/or course additions are still possible upon payment of a \$10 processing fee. The deadline for dropping courses and changing the grade option is Oct. 26. After that date, a special petition will be required for adds, drops, or changes of any kind, in addition to the \$10 processing fee.

Reminder: Information concerning the Fulbright-Hays Doctoral Dissertation Research Abroad Training Grant Program is available at the Graduate Fellowship and Financial Aid Office, 116 Sage Graduate Center.

November 21: National Science Foundation 1985-86 Graduate Fellowships Awards are made in the areas of mathematical, physical, biological engineering, social sciences and the history and philosophy of science. Applicants must be citizens or nationals of the United States at the time of application, who have not completed postbaccalaureate study in excess of 30 quarter hours or 20 semester hours or equivalent, in any field of science, engineering, social science, or mathematics. Recipients must be enrolled in master's or doctoral degree programs. Awards are for a period of three years, and provide a 12-month stipend of \$11,000 plus a cost of education allowance of \$6,000 in lieu of all tuition costs. Renewal in the second and third years is subject to satisfactory academic progress and the availability of appropriated funds for continued support. Awards are not made in clinical, law, education, or business fields, in history or social work, for work leading

Herpetology, American Museum of Natural History, 12:30 p.m. Thursday, Oct. 11, Morison Seminar Room, Corson Hall.

Ecology and Systematics: "Taphonomy of Bones," Dr. Pat Shipman, Department of Cell Biology and Anatomy, the Johns Hopkins University, 4:30 p.m. Wednesday, Oct. 17, Morison Seminar Room, Corson Hall.

Genetics: "Proteins Encoded by the MYC Cancer Gene," Dr. Robert Eisenman, Hutchinson Cancer Center, Seattle, Wash., 4 p.m. Monday, Oct. 15, 135 Emerson.

Human Service Studies: "Read or Dead: What Influences the Policy Utilization of Research and Evaluation," Lois-Ellin Datta, associate director, Program Evaluation & Methodology Division, Government Accounting Office, 2:30 p.m. Friday, Oct. 12, N225 Martha Van Rensselaer.

Interdisciplinary Research: "Experience with People's Participation in Water Management in Sri Lanka," Norman Uphoff, Government, International Studies, 12:15 p.m. Thursday, Oct. 18, Warren Hall.

Materials Science and Engineering: "Molecular Motion in Bulk Polymers - Solid

ence, 3:30 p.m. Friday, Oct. 12, 202 Uris Hall.

Statistics: "Using Box Plots for Detecting Potential Outliers," Prof. Boris Iglewicz, Statistics Department, Temple University, 3:30 p.m. Wednesday, Oct. 17, 105 or 120 ILR Conference Center.

Theoretical and Applied Mechanics: "The Dynamics of a System Exhibiting the Global Bifurcation of a Limit Cycle at Infinity," Prof. William L. Keith, T&AM-Cornell, 4:30 p.m. Wednesday, Oct. 17, 205 Thurston Hall.

Toxicology: "Aspartame: FDA's Role in the Regulation of Potentially Neuroeffective Food Additives," Dr. David Hattan, Division of Toxicology, Food and Drug Administration, 12:15 p.m. Friday, Oct. 19, NG02 Martha Van Rensselaer.

Vegetable Crops: (joint seminar with Pomology) "Kitchen Gardens in Costa Rica," Katie C. Van Dusen, graduate student, Department of Vegetable Crops, 4:30 p.m. Thursday, Oct. 18, 404 Plant Science.

Sports

Friday
Oct. 12, 9 a.m. Moakley Course. Women's

Cornell University

University Personnel Services

Day Hall

Ithaca, New York 14853

607/256-5226

Please Note:

Job Opportunities is a publication of Staffing Services and is distributed each Thursday through the Cornell Chronicle.

Job Opportunities lists current vacancies within the University, consistent with the University's commitment to promotion from within, affirmative action, and equal opportunity employment.

Applications for employment are available at Cornell University's employment office at East Hill Plaza at the intersection of Ellis Hollow Road and Judd Falls Road in Ithaca, from 9:00 a.m. to 12:00 noon, Monday through Friday. Applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca,

N.Y. 14853. For more information on jobs listed, contact Staffing Services (607) 256-5226.

Employee Transfer Applications:

Employees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit them to Staffing Services. Individuals with official University layoff status will be given preference in referrals.

This listing is also available on CUINFO

Cornell University's computerized information service. For further CUINFO details, contact the Information and Referral Center at 256-6200 or Computer Services.

New vacancies are listed for two weeks in Job Opportunities.

*Asterisks identify jobs that were not listed last week.

Full-time jobs are 39 hours per week unless otherwise indicated. Jobs listed as SO, U1 and U2 are represented by bargaining units.

*Asterisks identify jobs that were not listed last week.

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

***Position:** Senior Training Associate
Department: University Personnel Services
Description: Assist in the planning, development and administration of a wide variety of training and human resource development programs and services for University non-academic staff. Assist in definition of mission, goals, objectives, policies and procedures. Administer three major educational assistance programs for staff. Assist in administration of University Performance Appraisal system.

Requirements: Master's degree in education, organizational behavior or related field required. At least three to five years experience in the development and administration of a comprehensive range of training programs and services. Demonstrated excellent teaching/training skills. Superior verbal and written communication skills, instructional design skills and interpersonal relations skills. Previous experience in adult education.

Job Number: P418

***Position:** Architect/Project Manager
Department: Architectural Services
Description: Manage major architectural projects for the University. Responsibilities include directing progress meetings for project setting and monitoring project schedules and budgets; coordinate activities of departmental professionals in supporting the projects; prepare feasibility studies and other project statistics to guide program; interview and advise on the selection of A/E consultants and assist in the negotiation and preparation of contracts.

Requirements: Bachelor's degree in architecture required. Architectural registration desirable. Minimum ten years responsible experience in architectural project management. Demonstrated excellent organizational and communication skills necessary. Experience with personal computer desirable.

Job Number: PA417

***Position:** Applications Programmer II
Department: Agricultural Economics
Description: Responsible for assisting users utilizing a variety of mainframe as well as mini and microcomputer systems and applications in research, teaching and extension activities. Responsible for analysis, design, implementation and maintenance of new applications programs and systems, as well as maintenance of existing systems.

Requirements: Bachelor's degree with computing-related courses or equivalent training and experience. Applicants must possess at least entry level skills and be familiar with IBM VM and MVS environments, have substantial ex-

perience with microcomputing systems, have a knowledge of data and file management processes, and/or be competent in the use of statistical computing procedures and software packages such as SAS, MINITAB, TROLL, etc. One year's experience working in a professional data processing environment essential.

Minimum Starting Salary: \$16,500
 Job Number: PT415

***Position:** Research Support Specialist I
Department: Natural Resources
Description: Conduct and supervise collection of fish samples in Adirondack Mountain region. Compile and report data. Conduct laboratory analyses of fish scale. Use statistical and mathematical techniques and computer programs to estimate population size and survival rates for individual age classes of fish.

Requirements: Master's degree or equivalent in fisheries science or closely related field. Minimum of one year related work experience. Understanding and familiarity with fisheries and limnological sampling gear, e.g., trapnets, gill nets, electrofishing, water samplers. Knowledge of radio telemetry techniques desirable. Ability to plan and execute work schedule for self and seasonal assistant, collect and maintain all field data records. Prepare quarterly and annual project reports.

Minimum Starting Salary: \$16,000
 Job Number: PT412

***Position:** Research Support Specialist I (Repost)

Department: Veterinary Pathology
Description: Develops and validates new cell culture procedures and immunological and virological assays as well as supervises technicians and trains graduate students in laboratory procedures.

Requirements: Bachelor's degree and/or Master's degree or equivalent. Two to three years experience in tissue culture and immunology and/or virology laboratory. Evidence of ability to write at level required for publication.

Minimum Starting Salary: \$16,000
 Job Number: PT347

***Position:** Residence Hall Director
Department: Residence Life

Description: Assumes primary program and related administrative duties for a residence hall unit of 400 students. Direct supervision exercised over ten Resident Advisors and one Program Assistant. Live-in position.

Requirements: Master's degree or equivalent. A degree in student personnel administration, counseling or a closely related field is desirable. Reasonable experience in student housing administration, programming, staff training and supervision highly desirable. Please send cover letter and resume by November 2, 1984.

Minimum Starting Salary: \$13,625
 Job Number: PA414

***Position:** Research Support Specialist I
Department: Agronomy

Description: Conduct video cryomicroscopic studies of plant protoplasts, cells and tissues and mammalian embryos. Record and interpret visual observations. Conduct computer enhanced video image analyses of the microscopic observations using PDP 11/23 and Victor 9000 microcomputers.

Requirements: Bachelor's degree in the biological sciences. Proven experience in light microscopy required. Also, some experience in video recording and computer usage desirable.

Minimum Starting Salary: \$13,625
 Job Number: PT4110

***Position:** Staff Writer I

Department: Media Services

Description: Develop and prepare basic written information about the University for dissemination to its internal and/or external publics through the News and Feature Service and its components. Full-time, regular term appointment; minimum of nine months, up to one year.

Requirements: Bachelor's degree in English, journalism or closely related field. Working knowledge of word processing equipment preferred. Strong organizational, interpersonal and communication (oral and written) skills. Minimum of two years full-time experience in news and feature writing. Please send cover letter and resume to Esther Smith by October 26, 1984.

Job Number: PC416

***Position:** Computer Engineer (Repost)

Department: Lab of Nuclear Studies

Description: Responsible for ongoing development of hardware and supporting software for high performance scientific data processing equipment. This equipment is integrated into a research data acquisition and control computer network which includes VAX, DEC-10, PDP-11 computers and various microcomputers.

Requirements: Bachelor's degree or equivalent. Ability to work effectively with minimal supervision. Experience with computer and/or digital electronic hardware and knowledge of computer architecture essential. System software experience and familiarity with VAX/VMS and, to a lesser extent, TOPS-10 or RSX-11M helpful.

Job Number: PT157

***Position:** Systems Analyst II (Repost)

Department: Lab of Nuclear Studies

Description: Provide ongoing software development in support of a high energy physics research computer network which includes VAX, DEC-10, PDP-11 computers and various microcomputers.

Requirements: Bachelor's degree or equivalent. Ability to work with minimal supervision. System software experience, preferably with VAX/VMS, but possibly with TOPS-10, RSX-11M or other operating system essential.

Hardware experience helpful.
 Job Number: PT155

Position: Administrative Manager II
Department: Clinical Sciences - Veterinary Medical Teaching Hospital

Description: Assumes responsibility for financial, business, and personnel activities of the Veterinary Medical Teaching Hospital which includes program/project management, accounting/budgeting, staff supervision, management analysis, property/space management and information/data systems management.

Requirements: Bachelor's degree or equivalent. MBA desirable. At least 5 years related experience with demonstrated supervisory ability and excellent communication skills. Please send cover letter and resume to Ralph Jones by October 12, 1984.

Minimum Starting Salary: \$18,000
 Job Number: PA403

Position: Development Assistant (2 positions)
Department: University Development
Description: Works with the Directors and Assistant Directors in the coordination and execution of projects and activities essential to University's development efforts in the areas of corporate donations and foundations and the capital projects campaign.

Requirements: Bachelor's degree or equivalent. Must possess excellent oral and written communication skills with demonstrated organizational ability and exceptional interpersonal skills. Ability to work with details and numbers and a knowledge of computing and data-based information systems preferred. Please send cover letter and resume to Ralph Jones by October 15, 1984.

Minimum Starting Salary: \$13,625
 Job Numbers: PA393, PA398

Position: Applications Programmer III (Repost)
Department: Mechanical and Aerospace Engineering

Description: Under minimum direction, develops and maintains sophisticated software packages of a high degree of complexity and scope, including interactive computer graphics and data-base concepts; responsible for developing new applications and system utilities, documentation and provides systems programming support to others using the VAX 11/750.

Requirements: Bachelor's degree or equivalent in computer science, mechanical engineering or related field. Master's preferred. Detailed knowledge of FORTRAN and VAX-VMS operating system. PL/1, C, UNIX, color graphics and/or distributed processing useful. 2-3 yrs experience in programming, development, installation and maintenance.

Job Number: PT371

Position: Systems Programmer III (Repost)

Department: Computer Science
 Description: Provides software maintenance and development support for the Computer Science Department's computing facility. Provides software consulting and programming assistance to departmental research groups; daily software maintenance.
 Requirements: Bachelor's degree or equiv. in computer science or engineering. At least 2 years experience in systems programming and development. Familiarity with UNIX and C, or with a comparable modern operating system and systems programming language essential. Academic work experience and computer networking with advanced programming or office automation environments helpful.
 Minimum Starting Salary: \$18,500
 Job Number: PT315

Position: Assistant Director of Residence Life/Business Management
 Department: Residence Life
 Description: Assumes primary responsibility for all financial and business operations, including development of \$15 million operating budget and \$24 million capital budget, financial policies and procedures, management information systems, rates and income enhancement, personnel and salary administration. Minimum salary low to mid 20s.
 Requirements: MBA or equiv. preferred. Demonstrated experience in business management, preferably in a college or university setting. Please send cover letter and resume to Ralph Jones by October 15, 1984.
 Job Number: PA 395

Position: Director, Administrative Operations
 Department: Dean's Office, Architecture, Art & Planning
 Description: As College's chief business officer, responsible for financial (\$4.3 million budget), accounting and personnel management, maintenance of facilities, and day-to-day non-academic administration.
 Requirements: Bachelor's degree or equiv. Master's or equiv. preferred. Minimum 3 years experience in higher education business management. Knowledge of IBM PC preferred. Demonstrated strong verbal, written and organizational skills. Prior supervisory experience required. Please send cover letter and resume to Ralph Jones by October 12, 1984.
 Job Number: PA397

Position: Research Support Specialist I (Repost)
 Department: Cornell Institute for Social and Economic Research (CISER)
 Description: As a data manager/analyst, assists in database design, analysis, data management and manipulation of large data sets for social science research projects; provides computer consulting to project PI's, CISER staff, and users of the Data Archive. Works as part of a team with multiple assignments.
 Requirements: Master's degree or equiv. preferred in social sciences, computer science or statistics. Experience with data management; research experience with Cornell's IBM 3081D including CMS, SAS and/or SPSS. Good knowledge of social science analysis techniques. Good written communication skills and attention to details; ability to meet deadlines. Excellent interpersonal skills required.
 Job Number: PT377

Clerical

All applicants interested in positions requiring typing must take an official University test. Tests are given Mondays and Wednesdays at 9:00 a.m., Room 337, Statler Hall. Please contact Staffing Services for an appointment.

*Position: Administrative Aide, GR20
 Department: Rural Sociology
 Description: Provide administrative and secretarial support to the Chairperson. Compile and type all correspondence, manuscripts; coordinate work of various department committees; prepare and process course materials and catalog; arrange travel; schedule meetings; maintain files; assist in the preparation of various reports.
 Requirements: Associate's degree or equivalent in secretarial science. At least three years of office experience. Medium typing skills (written and oral). Word processing experience necessary. Strong organizational and office management skills.
 Minimum Starting Salary: \$11,739
 Job Number: C414

*Position: Administrative Aide, GR20

Department: Cornell Graduate School of Management (CGSM)
 Description: Provide secretarial support to the Associate Dean for Administration. Coordinate the flow of materials through the office; arrange appointments; answer telephone; assist in the preparation of reports and projects; serve as functional supervisor for clerical staff of the admissions and student affairs area of the School.
 Requirements: Associate's degree or equivalent; additional college work and degree preferred. Heavy typing. Several years of office experience. Familiarity with higher education and/or business management preferred. Strong communication skills. Some supervisory experience preferable.
 Minimum Starting Salary: \$11,739
 Job Number: C4116

*Position: Secretary, GR20
 Department: Public Affairs Regional Offices, Northeast Regional Office, Wellesley, MA
 Description: Type correspondence, forms, vouchers and other materials; keep records; tile maintenance and receptionist duties; handle meeting and travel arrangements for the Director; telephone and personal contact with alumni and volunteers. Special projects as needed.
 Requirements: High school diploma or equivalent. Medium typing. Strong grammar and good public relations skills. Ability to work independently. At least three to five years secretarial/administrative experience. Excellent interpersonal and communication (written and oral) skills. Ability to work independently.
 Minimum Starting Salary: \$11,739
 Job Number: C4115

*Position: Accounts Assistant, GR19
 Department: Veterinary Library
 Description: Responsible for accounting and most business functions of the Veterinary Library. Specific duties include handling cash income, processing acquisitions and general expense invoices for payment and maintaining budget and ledgers. Order supplies; prepare payroll; maintain photocopiers; compile various reports. Shares in public service at the Circulation/Reserve/Information Desk.
 Requirements: Associate's degree or equivalent. Some course work in accounting essential. Medium typing. Library and/or office accounting experience desirable. Positive public service attitude. Ability to organize and perform a variety of detailed assignments essential. Strong interpersonal and communications skills. Microcomputer experience desirable.
 Minimum Starting Salary: \$11,125
 Job Number: C417

*Position: Dispatcher, SO18
 Department: Maintenance and Service Operations - Customer Service Center
 Description: Provide secretarial and clerical support for the Customer Service Center. Serve as communication link with campus community and Maintenance and Service Operations for maintenance requests; assist Trade Shop Foreman, Chief Dispatcher, and Supervisor of Customer Service Center. Dispatch tradespersons and assistants via radio communication system.
 Requirements: High school diploma or equivalent. Medium typing. Ability to operate office equipment. Good office skills. Considerable training and/or experience in telephone communications and public relations, sales or service preferred.
 Minimum Starting Salary: \$4.98/hour
 Job Number: C412

*Position: Senior Circulation/Reserve Assistant, GR18
 Department: Uris Library
 Description: Train, supervise and evaluate student assistants who work in Reserve section; process materials for course reserve; work at Reserve Desk; in charge of Reserve Department in absence of Reserve Supervisor; may participate in other library activities such as inventory and library tours; perform pre-order searching for books to be ordered for reserve; assist with circulation operations as needed. Full-time, regular, Monday - Friday, 9:00 a.m. - 5:00 p.m. (one Saturday per month).
 Requirements: Associate's degree or equivalent. Some college background. Light typing. Ability to work well with a variety of people; organizational skills; aptitude for detailed technical processing work; ability to work under pressure. Supervisory and library experience highly desirable.
 Minimum Starting Salary: \$10,500
 Job Number: C4112

*Position: Word Processor Operator, GR18
 Department: University Development
 Description: Word Processor Operator produces mass mailings, proposals, newsletters,

charts and special projects in support of University fund raising and public affairs efforts.
 Requirements: High school diploma or equivalent. At least one to three years of office experience necessary. Heavy typing. Experience or training in word processing and willingness to learn new techniques in records management helpful. Accuracy, good command of grammar, punctuation, spelling and proofreading are important. Knowledge of letter and proposal formats helpful.
 Minimum Starting Salary: \$10,500
 Job Number: C415

*Position: Secretary, GR19
 Department: Equine Drug Testing and Research
 Description: Type manuscripts, papers and correspondence; answer, screen and record all incoming telephone calls; open and distribute mail. Other secretarial duties as assigned.
 Requirements: High school diploma or equivalent. Business or secretarial school preferred. Medium typing. Secretarial experience. IBM Displaywriter experience helpful. Familiarity with scientific terminology desirable.
 Minimum Starting Salary: \$10,500
 Job Number: C418

*Position: Secretary, GR18
 Department: Agronomy
 Description: Input manuscripts using word processing and data base software; coordinate manuscript preparation using word processing, electronic typesetting and graphics displays; maintain mailing lists, vouchers and expense accounts; plan travel itineraries; provide general secretarial support; maintain files, prepare budgets and update accounting data base.
 Requirements: High school diploma or equivalent. Business or secretarial school preferred. Heavy typing. At least two years secretarial experience. Knowledge of word processing, data base management and electronic typesetting methods. Excellent organizational, interpersonal and communication (written and oral) skills.
 Minimum Starting Salary: \$10,500
 Job Number: C4114

*Position: Secretary, GR17
 Department: Laboratory of Plasma Studies
 Description: Assist Administrative Aide in secretarial work for Lab. Type research proposals and renewals, technical manuscripts and abstracts; assist with requisitions and invoices; handle xeroxing and mail. Other duties as assigned.
 Requirements: High school diploma or equivalent. Medium typing. Knowledge of technical and mathematical typing and word processor desirable. Strong interpersonal skills. Ability to work under pressure.
 Minimum Starting Salary: \$9,967
 Job Number: C419

Position: Administrative Aide, GR22
 Department: President's Office
 Description: Provides a full range of administrative and other support services for the Office of the President including preparation of transcripts, reports, letters and other documents. Frequent contact with faculty, administration, parents of students, students and the general public. Coordinates special assignments.
 Requirements: Associate's degree or equiv. Bachelor's degree or equiv. preferred. At least 5 years diverse and progressively responsible experience in secretarial/administrative position. Heavy typing. Ability to work under pressure. Demonstrated excellent interpersonal, verbal and written communication skills. Must be able to type 80 wpm or better. Thorough knowledge of word processing desired. Please submit cover letter and resume to Judith E. Morgan, Manager, by October 12, 1984.
 Job Number: P405

Position: Administrative Aide, GR22
 Department: Architectural Services
 Description: Provides administrative/secretarial support and coordinates the work needs of the Director and Project Managers. Maintains files; types; processes and distributes mail; handles travel schedules; monitors department expense account and processes bills; handles confidential materials; other duties as assigned.
 Requirements: H.S. Diploma or equiv. Associate's degree or equiv. in business or secretarial science preferred. Medium typing. At least 2 years executive and/or administrative secretarial experience. Knowledge of practical bookkeeping. Ability to operate personal computer and/or word processor. Excellent filing, telephone and written communication skills.
 Minimum Starting Salary: \$13,141
 Job Number: C401

Position: LC Cataloger, GR20

Department: Catalog/Olin Library
 Description: Catalogs monographs with Library of Congress copy on Germanic/Slavic Cataloging Team utilizing RLIN system; other cataloging duties as assigned.
 Requirements: H.S. Diploma or equiv. Bachelor's degree or equiv. experience or training. Light typing. Previous work experience in libraries, especially technical services highly preferred. Ability to perform detailed work with accuracy. Knowledge of Slavic languages desirable. Good knowledge of German.
 Minimum Starting Salary: \$11,739
 Job Number: C406

Position: Travel Coordinator, GR19 (Repost)
 Department: Travel Office
 Description: Offers faculty, administration and staff, on University business, the most economical international and domestic travel plans; reserves airline, train, car and hotel accommodations.
 Requirements: H.S. Diploma or equiv. Light typing. At least 1-3 years experience as a commercial travel agent. Knowledge of Sabre computer, ticketing, phase IV and prepaids. Ability to work under pressure and with the public essential.
 Minimum Starting Salary: \$11,125
 Job Number: C3820

Position: Secretary, GR18
 Department: University Development
 Description: Provides secretarial and organizational assistance to two Development Assistants in the Cornell Fund; handles correspondence, travel and meeting arrangements; files and researches materials.
 Requirements: H.S. Diploma or equiv. At least 2 years secretarial experience. Medium typing. Strong interpersonal and communication skills. Ability to work independently and handle details. Knowledge of Cornell helpful.
 Minimum Starting Salary: \$10,500
 Job Number: C404

Position: Secretary, GR18
 Department: Cooperative Extension Administration
 Description: Provides secretarial support for two Sr. Extension Associates. Schedules conferences and meetings on and off campus throughout the State; coordinates schedules and activities for Sr. Associates; heavy typing of transcription, statistical reports, minutes, performance reviews, training materials, etc. Other duties as assigned.
 Requirements: H.S. Diploma or equiv. Business or secretarial school desirable. At least two years demonstrated secretarial experience. Heavy typing. Ability to learn electronic equipment such as word processor, display writer, etc. Excellent organizational and interpersonal skills.
 Minimum Starting Salary: \$10,500
 Job Number: C408

Position: Secretary, GR18
 Department: Arts and Sciences, Dean's Office
 Description: Provides secretarial/receptionist support; types; files; answers telephone; maintains records. Other duties as assigned.
 Requirements: H.S. Diploma or equiv. Medium typing. Knowledge or willingness to learn word processor. Good organizational, interpersonal and communication skills.
 Minimum Starting Salary: \$10,500
 Job Number: C4012

Position: Secretary, GR18
 Department: School of Hotel Administration
 Description: Provides administrative support to Admissions Office. Sets up all interviews, either by telephone or by letter; answers general correspondence; maintains current addresses of alumni interviewers; responsible for mail, filing and general office work; greets all visitors; answers general admissions inquiries.
 Requirements: H.S. Diploma or equiv. Light typing. Some work experience. Ability to use IBM memory typewriter and/or word processor or willingness to learn.
 Minimum Starting Salary: \$10,500
 Job Number: C4010

Position: Senior Records Assistant, GR18
 Department: Catalog/Olin Library
 Description: As member of Data Base Management Group, responsibilities include modifying card and on-line machinereadable bibliographic records to reflect current library holdings; makes corrections; keeps information up-to-date; maintains authority files; locates in-process material; search card and on-line data bases. Hours to be arranged.
 Requirements: H.S. Diploma or equiv. Associate's degree or equiv. experience/training preferred. Light typing. Previous library technical services experience highly desirable.
 Minimum Starting Salary: \$10,500
 Job Number: C405

Job Opportunities

Continued from Page 9

Position: Accounts Assistant, GR16
Department: University Health Services
Description: Assists the University Health Services cashier; receives payments from fee-for-service patients; enters charges and payments onto ledger sheet and computer; reconciles daily charges and payments with computer; registers all new patients including private practice orthopedic patients.

Requirements: H.S. Diploma or equiv. Light typing. Some accounting/bookkeeping experience or knowledge desirable. Cash handling ability helpful. One year work experience in a medical office setting helpful.

Minimum Starting Salary: \$9,494
Job Number: C4011

Position: Office Assistant, GR16
Department: Physical Education and Athletics

Description: Assists in daily operation of indoor tennis courts; works with court reservation system; daily sales reports and deposits; oversees student employees; customer relations. Full-time appointment for 9 months.

Requirements: H.S. Diploma or equiv. Light typing. Excellent organizational and interpersonal skills. Cash handling ability helpful.
Minimum Starting Salary: \$9,494
Job Number: C409

General Service

***Position:** Duplicating Machine Operator, SO19 (Repost)

Department: Graphic Arts Services
Description: Operate small business machines (offset duplicators, xerographic duplicators and copiers, folders, collators) for a large volume duplicating operation. Work with inks and other solution media copiers. Handle heavy packets of paper for machine loading. Other relevant tasks as necessary.

Requirements: High school diploma or equivalent; trade school training in graphic arts procedures desirable. Formal or on-the-job training in high speed duplicating procedures. Requires much standing, corrected eyesight, aptitude for small machine mechanics and operation. Some unpleasant odors and spotting from chemicals and inks exist.

Minimum Starting Salary: \$5.27/hour
Job Number: S072

***Position:** Delivery Driver, SO18
Department: Cornell Dining

Description: Assist in loading and unloading of trucks, set up and break down of catering functions. Supervise catering functions.

Requirements: High school diploma or equivalent. NYS driver's license required. Familiarity with campus routes and buildings helpful. Ability to lift 50 lbs. Food service and wait person experience necessary.

Minimum Starting Salary: \$4.98/hour
Job Number: S412

***Position:** Animal Technician, GR17

Department: Division of Nutritional Sciences
Description: Trained in daily care of animals in research animal facility. General cleaning and maintenance of facility. Daily monitoring and record keeping. Trained in techniques needed to assist experimenters with animal care and procedures. Monday - Friday, 39 hours per week; may occasionally include holidays or weekends.

Requirements: High school diploma or equivalent. Must achieve A.A.L.A.S. certification after one year on-the-job training. Ability to pass pre-employment physical examination. Ability to work with small research animals. Must be able to lift at least 50 lbs.

Minimum Starting Salary: \$9,967
Job Number: S413

***Position:** Food Service Worker, SO16
Department: Cornell Dining

Description: Assist with the planning, preparation and presentation of cold foods for one of Cornell Dining's operations. Monday - Friday, 39 hours per week; hours will vary.

Requirements: High school diploma or equivalent. Knowledge of food preparation and presentation. One year related experience.
Minimum Starting Salary: \$4.47/hour
Job Number: S414

Position: Journeyman Control Person, U1
Department: Maintenance and Service Operations (Endowed)

Description: Must have working knowledge of pneumatic and electric controls and mechanical

equipment related to HVAC area. Must be willing to join Union within 30 days and produce proof of 5 years experience at trade. M-F 7:30 A.M.-4:00 P.M.

Requirements: H.S. Diploma or equiv. At least 5 years experience at trade or closely related work.

Minimum Starting Salary: \$12.30/hr.
Job Number: S405

Position: Field Assistant, SO20

Department: Vegetable Crops (Statutory)
Description: Assists Farm Manager with all tasks pertaining to general operation of experimental farms of the Department which involves: soil preparation, planting, cultivation, pest control, irrigation, harvesting and repairing farm equipment. M-Th 8:00 A.M.-5:00 P.M.; F 8:00 A.M.-4:00 P.M.

Requirements: H.S. Diploma or equiv. NYS PESTICIDE CERTIFICATION. Extensive experience in farm operation and field equipment repair essential. Some knowledge of vegetable growing and greenhouse operation helpful.

Minimum Starting Salary: \$6.04/hr.
Job Number: S407

Position: Cook, SO18

Department: Cornell Dining (Endowed)
Description: Prepares and serves food to customers from a short order area. M-F, 40 hr./week

Requirements: H.S. Diploma or equiv. At least 6 months related experience. Familiarity with short order cooking equipment. Ability to prepare a variety of foods under pressure. Good customer relations.

Minimum Starting Salary: \$4.98/hr.
Job Number: S402

Position: Food Service Worker, SO17

Department: Cornell Dining (Endowed)
Description: Plans, prepares, and presents cold foods. M-F, 40 hr./week.

Requirements: H.S. Diploma or equiv. Knowledge of cold food preparation. Familiarity with kitchen equipment preferred.

Minimum Starting Salary: \$4.69/hr.
Job Number: S401

Position: Nurse Aide, SO17

Department: University Health Services (Endowed)

Description: Assists clinicians with patient examinations; prepares patient for medical examination; cleans and stocks examining rooms, prepares solutions. Ability to work independently in emergency cases. 9 month appointment; 11:30 P.M.-8:00 A.M. 5 nights per week.

Requirements: H.S. Diploma or equiv. Nurse Aide/Health Assistant Certificate desirable. Some recent experience in a health related service or educational experience in the health field. Strong interpersonal and communication skills.

Minimum Starting Salary: \$4.69/hr.
Job Number: S403

Position: Dish Machine Operator, SO16

Department: Statler Inn (Endowed)
Description: Maintains a consistent supply of clean dishes, glasses, flatware, pots and silver; keeps the work area at an acceptable standard of cleanliness. M-F 12:30 P.M.-9:00 P.M.

Requirements: H.S. Diploma or equiv. Some dish machine operator experience preferred. Must be willing to work some weekends when needed.

Minimum Starting Salary: \$4.47/hr.
Job Number: S406

Technical

Applications for Technical positions should include the following information:

- Scientific/technical courses completed
- Lab techniques and/or equipment (knowledge of)
- Special skills (e.g. knowledge of computer language)

***Position:** Technician, GR22 (Repost)

Department: Animal Science
Description: Performs radioimmunoassays of hormones and various biochemical assays; prepares samples for electron microscope analysis; uses electron microscope; assists in animal surgery; collects animal samples; milks cows.

Requirements: Bachelor's degree or equivalent with strong background in biological or health sciences. At least 3-4 years of laboratory technical experience. Familiarity with computer is essential.

Minimum Starting Salary: \$13,141
Job Number: T372

***Position:** Technician, GR21

Department: Diagnostic Laboratory
Description: Perform histological, microbiological and immunological tests on specimens necessary for the conduct of required protocols of experimentation on infectious diseases of domestic animals. Will follow research protocols and keep notes of results. Also assist in the use and care of experimental animals. Includes exposure to post-mortem examinations and use of some "harsh" chemicals. Occasional weekends.

Requirements: Bachelor's degree or equivalent in microbiology or biology with related laboratory experience. Experience working with animals.

Minimum Starting Salary: \$12,469
Job Number: T418

***Position:** Laboratory Equipment Technician, GR20

Department: Physics
Description: Provide technical support, responsible for laboratory work in two large physics courses. Maintain and repair a variety of mechanical and electrical equipment; set up laboratory experiments and equipment; design, construct or modify laboratory apparatus.

Requirements: Associate's degree or equivalent in mechanical/electrical technology or a related field.

Minimum Starting Salary: \$11,739
Job Number: T414

***Position:** Technician, GR18

Department: Genetics and Development
Description: Provide technical and administrative support for the efficient operation of a genetics laboratory. Duties include participation in research, maintenance and ordering of laboratory supplies and maintenance of a collection of genetic strains of *C. elegans*.

Requirements: Associate's degree in biology or related field with course work in genetics. Bachelor's degree desirable. Minimum of one year laboratory experience.

Minimum Starting Salary: \$10,500
Job Number: T417

***Position:** Technician, GR18

Department: Veterinary Microbiology
Description: Perform technical laboratory duties in order to assist researcher in infectious disease-oriented immunology laboratory. Will set up and maintain records on breeding pairs; assist in surgical procedures; prepare reagents and media; perform some cell culturing and be responsible for sterilization of instruments.

Requirements: Bachelor's degree in biology, agriculture or equivalent. Science background and general laboratory experience, and experience in handling laboratory animals (e.g., rats, rabbits and mice) desirable.

Minimum Starting Salary: \$10,500
Job Number: T412

***Position:** Laboratory Technical Assistant, GR14

Department: Agronomy
Description: Assist Lab Technician in routine lab analyses such as soil particle size analysis, sieving and grinding of samples, bulk density measurements, thin section preparation, sample fractionation for mineralogy and pH determination. Will also input data into microcomputer and be responsible for lab maintenance.

Requirements: Course work in chemistry. Some general laboratory skills helpful.

Minimum Starting Salary: \$8,610
Job Number: T416

Position: Technician, GR22

Department: Microbiology
Description: Assists in cloning the gene for Edema Disease (ED) toxin in *E. coli* HB101 using the multicopy plasmid PBR322 or 328 as vectors; using the cloned gene as a DNA probe in southern blots to study the distribution of the ED gene in swine *E. coli*.

Requirements: Bachelor's degree or equiv. in biochemistry, biology or microbiology with concentration in biochemistry. Familiarity with cloning and restriction endonuclease analysis, DNA hybridization, preparation of media (sterile microbiologic technique) column chromatography, ultracentrifugation preferred. Laboratory experience in DNA cloning and analysis helpful.

Minimum Starting Salary: \$13,141
Job Number: T401

Position: Technician, GR21 (Repost)

Department: Division of Nutritional Sciences
Description: Provides technical support in biochemical laboratory. Under limited supervision, follows biochemical protocols and performs biochemical methods such as enzymatic assays, protein purification, analytical determinations, as well as cell culture and thin layer/column chromatography. Appointment through August, 1985; continuation contingent upon additional funding.

Requirements: Bachelor's degree or equiv. in biochemistry. Some experience in a biochemical laboratory preferred.

Minimum Starting Salary: \$12,469
Job Number: T362

Position: Technician, GR18

Department: Equine Drug Testing & Research Buffalo/Batavia

Description: Performs analysis of blood and urine samples in a field drug testing laboratory at Buffalo/Batavia; assists Laboratory Director as required.

Requirements: Associate's degree or equiv. in chemistry. Experience with thin layer chromatography and general laboratory procedures.

Minimum Starting Salary: \$10,500
Job Number: T403

Part-time

***Position:** Night Supervisor, GR18

Department: ILR Library

Description: Share in responsibilities for keeping library open, including regular circulation desk and monitoring activities, security, lock reserve processing and collection maintenance. 20 hours/week, to be arranged; evenings, weekends and holidays.

Requirements: High school diploma or equivalent with college or business school education or equivalent related experience. One year of library experience desirable. Attention to detail. Strong interpersonal, communication and organizational skills.

Minimum Starting Salary: \$10,500/annual equivalent
Job Number: C411

***Position:** Stacks Assistant, GR16

Department: Circulation/Olin Library

Description: Perform repairs in book repair workshop; assist with training, overseeing evaluation of students; assume responsibility for workshop in absence of Preservation Assistant; survey for damaged books in stacks; refurbish stacks; perform collection inventory work; assist floor managers as necessary. 20 hours/week.

Requirements: High school diploma or equivalent. Light typing. Manual dexterity and visual acuity; craftsmanship and careful attention to detail; ability to work with minimal supervision; familiarity with structures and materials used in bookbinding desirable.

Minimum Starting Salary: \$9,494/annual equivalent
Job Number: C4111

***Position:** Research Assistant - Plant Biochemistry

Department: Boyce Thompson Institute - Contact Department Directly - See Below

Description: Conduct experiments in studies of biochemical consequences for plants of exposure to acid rain. General laboratory maintenance, inventory, use of spectrophotometer, centrifuge, porometer, IR gas analyzer. Position will run from October 1, 1984 - February 15, 1985.

Requirements: Bachelor's degree with training in biochemistry and plant physiology necessary. Lab experience desirable.

Minimum Starting Salary: Commensurate with experience
Contact: Dr. Ruth Alscher, 257-2030

Position: Clinic Aide, SO17

Department: Clinical Science (Statutory)
Description: Cleans examination rooms, mission room, surgical suites and scrub areas.

Symposium on Public Support

'Illiteracy Is the Corollary To Cancer for Humanities'

By Martin B. Stiles

The humanities deal with problems as critical to the survival of society as science and technology.

This pragmatic perspective surfaced during a two-day symposium here last week on the lack of broad-based public support and interest in the humanities.

Alluding to the power of cancer and other scientific problems to capture public interest and support, several panelists suggested that illiteracy is the corollary to cancer for the humanities.

The threat of decay and even survival of society through the collapse of human intercommunication and cultural understanding permeated the comments of panelist Richard Lanham, professor of writing and director of the writing programs at the University of California at Los Angeles.

He described a "Tower of Babel" that now exists in the city of Los Angeles, where students in one high school, for example, speak 36 different tongues as their first language.

Lanham, a senior fellow this year at the Society for the Humanities which sponsored the symposium, said the situation is one that demands a national language

policy and attention because the United States is becoming a multi-lingual nation at an alarming rate. He cited the growth of Spanish speaking and Asian peoples over the past few decades.

He said he and his colleagues are overwhelmed at the immensity of the problem of developing verbal skills among students in such a radically multi-lingual community.

Verbal skills and other cultural forms of inter-communication found in the arts are not merely a refinement, but are essential to not only the growth but survival of society as all the speakers implied in one way or other.

An elitist attitude towards the Humanities, and one being increasingly expressed by the National Endowment for the Humanities, is destructive to the central role the Humanities must play in any society.

This point was developed by panelists Catharine Stimpson, professor of English at Rutgers University, and chairman of the New York State Council for the Humanities, and by Mary Beth Norton, professor of history at Cornell.

The peripheral interest the Humanities receive in American society, it was pointed out, is reflected in the \$140 million budget for the federally supported National Endowment for the Humanities. The budget for the National Science Foundation is about \$1.5 billion.

Stimpson set the stage for the two-day event with a talk titled "The Humanities in Everyday Life," Thursday, (Oct. 4) in Hollis E. Auditorium. The panel discussion the following day was on "The Humanities and Public Policy."

On the panel, in addition to Stimpson and Norton, were Robert Harris, professor of African Studies at Cornell, and Geoffrey Marshall, deputy chairman of the National Endowment for the Humanities.

Some 60 faculty and students attended the first session. The following day, about 30 persons were in the auditorium which seats more than 200.



Visiting campus Monday were U.S. Rep. Don Fuqua (D-Fla.), chairman of the House Committee on Science and Technology (right), and Rep. Stanley N. Lundine (D-N.Y.), shown here during a news conference. They met with scientists and administrators and toured the Submicron Facility and the Cornell Electron Storage Ring/Cornell High Energy Synchrotron Source.

Telecommunications System

Continued from Page 1

streamlined "WATS box" capability. Voice communication, computer data, and video images will travel through a multi-purpose system made up of optical fiber lines, coaxial cable, and conventional copper wire. Existing copper wire will be replaced for improved quality and speed of transmission.

As convenient and economical as the new telecommunications system will be, the most noticeable potential for change in the university's instructional and research activities will come from the data transmission system which will include: a new, multi-purpose wiring plant, including optical fiber lines, coaxial cable, and computer-controlled voice and data switches, which will permit significantly increased speed of data transmission

beyond present capabilities, with some parts of the system capable of transmitting at least 64 kilobits per second, more than 50 times the typical speed. In the near future, substantially higher speeds should be available for most locations;

— a backbone network, made up primarily of optical fiber and coaxial cable lines, which can interconnect at high speeds with Cornell's mainframe computers' departmental mini computers, and personal computers and will be accessible to any computer user on the campus;

— small networks in the dormitories through which students with micro-computers in their rooms can take advantage of shared facilities, such as printers and disk storage equipment;

— links from dormitory to larger campus networks to incorporate a student's micro-computer in the more comprehensive university computing system, which could

allow communication by electronic mail and provide access to centralized facilities such as data bases, high-speed laser printers, and modem pools. Furthermore, faculty or students on one side of campus could use the telecommunication system to control a one-of-a-kind computer device in a laboratory on the other side of campus.

AT&T-IS was chosen from 10 vendors that submitted bids for the project. AT&T's System 85 is capable of transmitting both voice and data simultaneously and is compatible with most voice and data equipment in today's marketplace. It is expected to gracefully accommodate technological growth into the 1990s and beyond.

The new Cornell communications system, for all its power and flexibility, will still remain only as a tool to be used by faculty, staff and students, Craft said. "Its exploitation must await their ingenuity and creativity," he added.

Job Opportunities

taxes same areas when needed. Part-time 5 hrs. per evening; 6 evenings per week. Requirements: H.S. Diploma or equiv. Hospital cleaning experience is desirable. Minimum Starting Salary: \$5.12/hr. Job Number: S404

Temporary

In addition to regular, part-time opportunities, temporary (less than six months) positions, both full- and part-time, are available. Although many openings are clerical, there are often positions in other areas. As Temporary openings do not always appear in this listing, please contact Staffing Services for more information.

Position: Temporary Word Processor Operator/Secretary, T-3
Department: Agricultural Economics
Description: Provide secretarial support for professors and one research support-specialist with substantial research commitments. Responsibilities include typing manuscripts and general correspondence; duplicating and filing; key-logging; statistical work using electronic calculators; library research. Full-time, temporary three months.
Requirements: High school diploma or equivalent. Heavy typing. Secretarial experience. Knowledge of Micom word processor required.
Minimum Starting Salary: \$5.00/hour
Job Number: C416

*Position: Temporary Senior Records Assistant, T-2
Department: Law Library
Description: Pre-order and pre-catalog searching. Parttime (20 hours/week) until 2/1/85.
Requirements: High school diploma or equivalent; some college desirable. Some library experience essential; cataloging or searching experience preferred.
Minimum Starting Salary: \$4.00/hour
Job Number: C413

*Position: Temporary Senior Circulation/Reserve Assistant, T-2
Department: Circulation/Olin Library
Description: Works at Circulation Desk; performs other duties in support of circulation/access services; interprets loan policies, renewals, etc.; assist in servicing graduate carrels and faculty studies; assist in training student assistants; participates in other departmental activities as necessary. Full-time until April 30, 1985.
Requirements: High school diploma or equivalent. Some college background. Good organizational skills; ability to work well with variety of people; previous library experience desirable.
Minimum Starting Salary: \$4.00/hour
Job Number: C4110

Position: Temporary Research Aide, T-3
Department: Cornell Institute for Social &

Economic Research (CISER)
Description: Evaluates software for micro-computers, specifically IBM PC/XT, DEC Rainbow, Macintosh and Lisa 2/10; builds data bases, demonstrates and provides learning support to facility users; writes reports on evaluations. Temporary parttime 20 hrs. per week to be arranged. Position available until January 1985 with possibility of extension.
Requirements: H.S. Diploma or equiv. 2 years of college education with computer courses or equiv. experience required. Computer experience necessary. Good communication skills. Some familiarity with microcomputer software desirable. Attention to detail and ability to meet deadlines essential.
Minimum Starting Salary: \$5.00/hr.
Job Number: T402

Position: Animal Health Technician, GR18
Department: Clinical Science
Description: Assists in operation of large and small animal anesthesia program including: care of equipment, records, monitor instructions to students, order and stock anesthesia rooms, participate in teaching labs. Monitors animals under anesthesia for treatment, surgery and radiology. Full-time temporary 6 month appointment.
Requirements: Associate's degree or equiv. LICENSED ANIMAL HEALTH TECHNICIAN REQUIRED BY NYS LAW. At least 1 year experience with animals required. Basic knowledge of anesthesia desirable.

Minimum Starting Salary: \$10,500/annual equiv.
Job Number: T404

Position: Temporary Senior Research Support Specialist, T-5
Department: Government
Description: Provides technical support for empirical study of federal and state courts; supervises undergraduate research assistants. Temporary part-time appointment until January 1985; 20 hrs./week to be arranged.
Requirements: Bachelor's degree or equiv. Knowledge of computing and statistics essential. Knowledge of judicial process helpful but not mandatory. Prior supervisory experience essential.
Minimum Starting Salary: \$8.00/hr.
Job Number: T382

Academic

Please contact department directly.
*Position: Two Faculty Positions
Department: Ecology and Systematics, Division of Biological Sciences
Job Number: A412, A413

*Position: Visiting Assistant Professor/Lecturer, Japanese Art Historian
Department: History of Art
Job Number: A411

Brief Reports

Anthropologist Dundes To Lecture on Folklore

Anthropologist Alan Dundes will give a public lecture on "Folklore in the Modern World," at 4:30 p.m. Thursday, Oct. 18, in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

A professor of anthropology and folklore at the University of California at Berkeley, Dundes is speaking at Cornell under the sponsorship of the Committee on University Lectures.

Dundes has been a member of the Berkeley faculty since 1965. He earned a B.A. in 1955 and a M.A.T. in 1958, both in English at Yale University. He received a doctorate in folklore in 1962 from Indiana University.

He has published more than 100 articles in his field and been involved as author, editor, co-author, and co-editor of 17 books. Among these are "The Morphology of North American Indian Folktales" and "Urban Folklore from the Paperwork Empire."

CEO of ETA Systems Talks on Super Computer

Lloyd M. Thorndyke, chairman and chief executive officer of ETA Systems, will give a public lecture on Friday, Oct. 19, at Cornell as part of the 1984 Public Affairs Colloquium sponsored by the Graduate School of Management at the university.

He will speak at 2:30 p.m. in 251 Malott Hall on the topic "The Super Computer - Mobilizing rapidly evolving and competing technologies for crucial demands of business, academia, and government and for sustained world preeminence."

Other lectures in the series are scheduled for Nov. 2, 16 and 30.

Poet Robert Bringhurst To Read From Works

Poet Robert Bringhurst will read from his book at 8 p.m. Thursday, Oct. 25, in the Temple of Zeus of Goldwin Smith Hall.

Bringhurst, who is currently reading on

campuses throughout the U.S., is regarded by critics as the most accomplished and original of the new generation of Canadian poets. In settings as various as El Salvador, pre-classical Greece and his home in the Canadian Rockies, Bringhurst produces intense and wide-ranging meditations on history, power and song.

A U.S. edition of his book, "The Beauty of the Weapons" (1982), will be appearing this fall.

Workshops Scheduled On Personal Growth

Personal Growth Workshops will be offered under the sponsorship of the Dean of Students Office and the Student Finance Commission beginning the week of Oct. 22.

The workshops, which will vary in length from two to four weeks, will cover topics including building self-esteem, building satisfying relationships, assertiveness, women, food and self-growth, sex roles and the real me, and coming out.

Focus of the groups is on skills-building, discussion and support.

The sessions are free, strictly confidential and open to all in the Cornell community. To sign up or for more information call Greta Breedlove at 256-3608 or stop by at 103 Barnes Hall.

Professionals Who Help Others To Have Retreat

A "Retreat for Helping Professionals" is scheduled for Oct. 25, 26 and Nov. 1.

It is designed for individuals on campus in counseling, advising and facilitating roles, as well as professionals in health care, education and human services. This program enables participants to renew and affirm themselves in the helping relationship.

Details and enrollment information may be obtained through the Personnel Department's Office of Training and Development, 111 Day Hall (telephone 256-7400).

There is a \$60 charge to departments for the series, which is given by David Let Davidson, Ph.D.

Morse, Coggshall Write New Book on Beeswax

Used in art and by industry for cosmetics, candles, pharmaceuticals, and polishes, beeswax has been collected by humans for thousands of years. Beeswax is a valuable commodity; it is slightly aromatic, highly malleable at higher temperatures, insoluble in water, and resistant to rancidity.

About 42 million pounds are harvested worldwide, with the U.S. being the largest importer on the international market, says Roger Morse, professor of apiculture here and co-author of the recently published book, "Beeswax: Production, Harvesting, Processing, and Products" (Wicwas Press 1984). Morse's co-author is William L. Coggshall, retired professor of apiculture in the department of entomology of the State College of Agriculture and Life Sciences.

Designed as a basic text on the substance secreted by worker honey bees for construction of honeycombs, Beeswax includes sections on the properties of beeswax, grades and economics, testing, and candles, as well as its role in batik, sculpture, sealing wax, and home products.

Generously illustrated with photographs and graphics, the book is written in a non-technical manner to be used by both those familiar and unfamiliar with bees and their wax.

Economist Will Present Two Open Seminars

Economist James N. Morgan will present two open seminars on campus Monday, Oct. 15:

- The Structure of Social Sciences, 12 to 1:30 p.m., Room 202 Uris Hall;
- Theory and Research on Choice, 3:30 to 5 p.m., Room 114 Martha Van Rensselaer Hall.

Morgan is professor of economics and program director, Survey Research Center at the University of Michigan at Ann Arbor.

Morgan is a graduate of Northwestern and Harvard universities. He joined the

Michigan faculty in 1949 and is a pioneer in the design and analysis of sample surveys for economic science. Recognized as a major American economist, he is well known for his important achievement in combining data collection with economic analysis and the testing of hypotheses on economic behavior.

Studies have included the relationship between saving and spending behavior to household maintenance and attitudes.

Morgan's visit here is sponsored by the Cornell Institute for Social and Economic Research, the Departments of Consumer Economics and Housing and Sociology.

Museum Gets Grant From Federal Agency

The Herbert F. Johnson Museum of Art has received a \$16,500 Conservation Program Support grant from the Institute of Museum Services (IMS), a federal agency.

The museum was one of 203 institutions selected to receive support from a field of 468 applicants. The grant period runs from Oct. 1, 1984 through Sept. 30, 1985. This conservation award is in addition to the \$50,000 IMS grant the museum received earlier this year for general operating support.

The grant will fund four conservation projects: mounting three Chinese scroll paintings; installing new storage units; adding protective backing for three hundred of the museum's important paintings; and re-matting works on paper.

These projects will be one component of the museum's conservation program, which includes regular inspection of the collection by conservators and laboratory treatment of approximately 10 works each year.

The Week in Sports

While Some Students 'Break,' Five Teams Will Have Home Action



SARAH DAY
Cross-Country Standout

While many Cornell students will take advantage of Fall Break to leave campus, five Big Red athletic teams have competition at home during the five days. The lightweight football team will entertain Princeton at 7:30 p.m. Friday on Schoellkopf Field. Earlier that day, the men's and women's cross country teams will race on the Moakley Course. The women are scheduled to run against Rochester at 4:45 p.m., while the men will face both Rochester and Canisius at 5:15. Two other teams have home events Tuesday: the women's tennis team, which takes on Syracuse at 4 p.m. at the Kite Hill Courts; and the women's field hockey team, which plays host to Brockport at 6 p.m.

The Big Red lightweight football team is enjoying yet another outstanding season. After defeating a strong team from the Naval Academy on Friday, 20-3, Cornell now stands at 3-0 overall and 2-0 in the Eastern Lightweight Football League. Senior quarterback Paul Freeman was one of many heroes for the Big Red, as he completed two touchdown passes — one to junior split end Joe Kane for 32 yards and another to receiver Ike Jordan for 37 yards. Freeman completed seven of 11 passes for 134 yards; his primary receiver was flanker Brian Miller, who caught six passes for 106 yards. Sophomore tailback Steve Call rushed for 72 yards on 16 carries, scoring on a 7-yard run.

With its 2-0 mark in the Eastern League, Cornell is now tied with Army for the top spot in the standings. Princeton is coming off a 34-22 victory over Pennsylvania on Friday. Quarterback Dave Parker completed nine of 18 passes for 159 yards and threw for two touchdowns. Last year, the Big Red just edged the Tigers in New Jersey, 21-18.

Last Saturday, the Big Red cross country teams competed in the Paul Short Memorial Run at Lehigh University. The women's team continued to show that it is one of the finest squads in the East, placing third overall against a very tough field. Once again, sophomore Sarah Day led the women by finishing seventh with a time of 17:50, the second straight week that she has run under 18 minutes for 5,000 meters. The men also had a good showing, finishing 7th in a field of 21 teams. Junior Grant Whitney had a time of 30:52:7 for 10 kilometers to finish sixth overall.

The women's harriers will be trying to improve their dual meet record to 4-0 on Friday, while two victories will give the men a 4-1 mark. Last year, both squads defeated Rochester handily.

The women's field hockey team returns home on Tuesday after playing its last four games on the road (including a contest at Harvard this Saturday). The Big Red has had some tough luck thus far, as both of its losses in the Ivy League have come in overtime. This past Saturday, the Red fell to Yale in double overtime, 2-1. Sophomore

Kriste Lyon still leads the team in scoring with two goals and one assist, while Elizabeth Grant has scored once and assisted on another tally. Junior Sue Zieman returned to goal against Yale, having recovered from an injury, and made 12 saves in the contest.

The Cornell field hockey team is 2-2 home thus far. Last year, it defeated Brockport by a 5-0 score.

Tuesday's match with Syracuse will include a busy week for the women's tennis team, as the squad also competes at Eastern championships on Saturday. A tournament will be held on the campus of Army and continues through Monday. Last year, Cornell's only loss in six dual meets was to Syracuse. The Big Red is currently 2-0 thus far, having defeated both Ithaca College and Binghamton. Freshman Eileen McPeak and sophomores Jana Klein and Lauren Levine are all undefeated in dual competition this season.

In away action this weekend, four teams are at Harvard. The varsity football team will take on the Crimson at 1:30 p.m. This season, the two teams played to a 3-3 tie at Schoellkopf Field. The men's soccer and women's soccer squads will both seek to remain unbeaten in Ivy League play. The women's soccer teams will play their first tangle with their rivals from Harvard this weekend. The other Big Red squad to take on the Crimson is the women's field hockey team. Elsewhere, the women's volleyball team is at the Syracuse Invitational on Saturday.