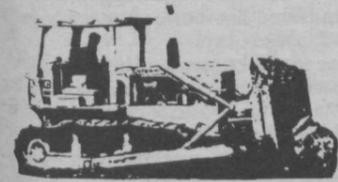




Plastic cocoons permitted construction throughout the winter on the new townhouses on Jessup Road so they would be ready for students in the fall. For a comprehensive look at construction on campus, see the four-page pullout section that begins on Page 7.



Both Good and Bad News In State's Spending Plan

New York State's spending plan for 1986-87, now awaiting Gov. Mario M. Cuomo's signature, includes good and bad news for Cornell, university officials say.

The upside includes a significant increase in tuition assistance funding, funds to enhance support of a variety of instructional, research, and extension programs in the state-supported units, and a \$10 million grant and loan package to help Cornell construct a building for its national supercomputing center. (See related story on the supercomputer.)

On the downside, funding for renovations and salaries in the state-supported units and for accessory instruction costs is lower than the amount sought by Cornell.

As a result, renovations to Martha Van Rensselaer Hall and a rehabilitation of the electrical system in the state-supported units will be delayed at least a year, and Cornell may not be able to fill about 35 positions that will become vacant during the coming year.

"The state budget is a mixed bag," said John F. Burness, vice president for university relations. "Lawmakers have recognized the importance of supporting high-technology research for the state's economic health, but they gave less attention to many pressing needs that are crucial to Cornell's land-grant mission of teaching, research, and extension important to all of the citizens of New York State."

One potential bright spot, though, is a \$16.2 million discretionary fund in the budget that SUNY can distribute to meet needs throughout its system. The money is largely from savings from reduced utility costs.

Cornell is likely to receive some funding from the discretionary pool, helping to restore some of the budget's cuts in salaries, accessory instruction, and other items.

The state's capital budget for the State University of New York does not include the \$2.5 million needed for Phase III renovations at Martha Van Rensselaer Hall or the \$2.6 million need to rehabilitate the electrical system throughout the state-supported units.

Lawmakers ultimately lumped together the Cornell projects and other SUNY projects, with a total price tag of \$30 million, and provided a pool of only \$5 million to support them.

"It is unlikely that SUNY will use part of the \$5 million pool to fund either Cornell

project," said Stephen Philip Johnson, director of government affairs at Cornell.

"These Cornell projects were among more than 30 capital requests at campuses around the state that were eliminated by legislative leaders during the final days of budget negotiations," Johnson said. "The leaders decided they couldn't choose among the many capital rehabilitation items that individual legislators were urging on them and they just said 'no' to all of them."

The Phase III work at Martha Van would have improved the building's east wing. Research, especially in the textiles and apparel program, and teaching facilities in the departments of design and environmental analysis and consumer economics and housing will be affected, according to Jerome M. Ziegler, dean of the College of Human Ecology.

"I think it's terrible. I'm very upset by it," Ziegler said. "Our current facilities are badly out-of-date."

There have been six blackouts and about 20 brownouts during the past two years in state-supported facilities, pointing to the need for an improved electrical system, according to Vice Provost James W. Spencer.

The capital budget does include support for equipment for the new Comstock Hall, a new food science laboratory, and other items. On salaries, the budget trims \$354,000 from the gross salary support sought by Cornell and subtracts another \$339,000 to account for positions that will become vacant during the year. Cornell had been seeking a \$433,000 increase in the proposed salary funding, making the final figure \$1.1 million below Cornell's request.

"It is standard budget practice for the state to allocate one amount for salaries and then subtract a portion of that amount, because some positions can be expected to become vacant and remain empty or be filled by employees at lower salaries," said Nathan Fawcett, director of finance for Cornell's state-supported units.

If the difference is not made up through other funds, Cornell may have to hold open about 35 positions that will become vacant during the year.

Firings or layoffs would not be necessary because more than 35 people will retire or leave

Continued on Page 15

Chemical Society Speakers To Include 24 from Cornell

The environmental risks posed by genetically engineered organisms, the loss of vitamins from milk shipped in plastic bottles, and pesticides in Long Island groundwater are among the topics to be discussed by Cornell researchers at the national meeting of the American Chemical Society April 13-18 in New York City.

Some 10,000 participants are expected for the week-long meeting, the 191st for the 135,000-member professional organization. Headquarters for the meeting is the Omni Park Central Hotel, 870 7th Ave.

Cornell scientists will discuss their research in the areas of materials science, chemical engineering, nutritional science, chemistry, engineering physics, natural resources, medicine, and food science.

Roald Hoffmann, Nobel laureate in chemistry (1981) and the John A. Newman Professor of Physical Science at Cornell, will discuss the supposed rift between scientists and humanists in an address titled "One Culture." Speaking at 1:40 p.m. Tuesday, April 15, in a session on chemical education, Hoffmann is expected to find an "underlying unity of science and the arts" in ceramics, painting, poetry, and chemistry.

Other Cornell researchers presenting papers include:

— Jack M. Blakely, professor of materials science and engineering, "Effect of S Monolayers on Surface Oxidation of Ni-Fe;"

— Joe M. Regenstein, associate professor of food science, "The Importance of Muscle Structure to Food Functionality" and "Meat Structure and Emulsification;"

— W. Frank Shipe, professor of food science, "Dispersibility and Stability of Vitamin A Supplements in Milk;"

— Chang Y. Lee, professor of food science and technology at the New York State Agricultural Experiment Station at Geneva, "Post-harvest and Processing Changes in Vitamin A Precursors;"

— Fred W. McLafferty, professor of chemistry, "Self-training Interpretive Systems for Unknown Spectra;"

— Michael E. Miller, graduate student in chemistry, "Reactive Organometallic Species in a Homogeneous Gas Phase Photocatalytic System;"

— William T. Miller, professor emeritus of chemistry, "Early American Fluorine Chemistry;"

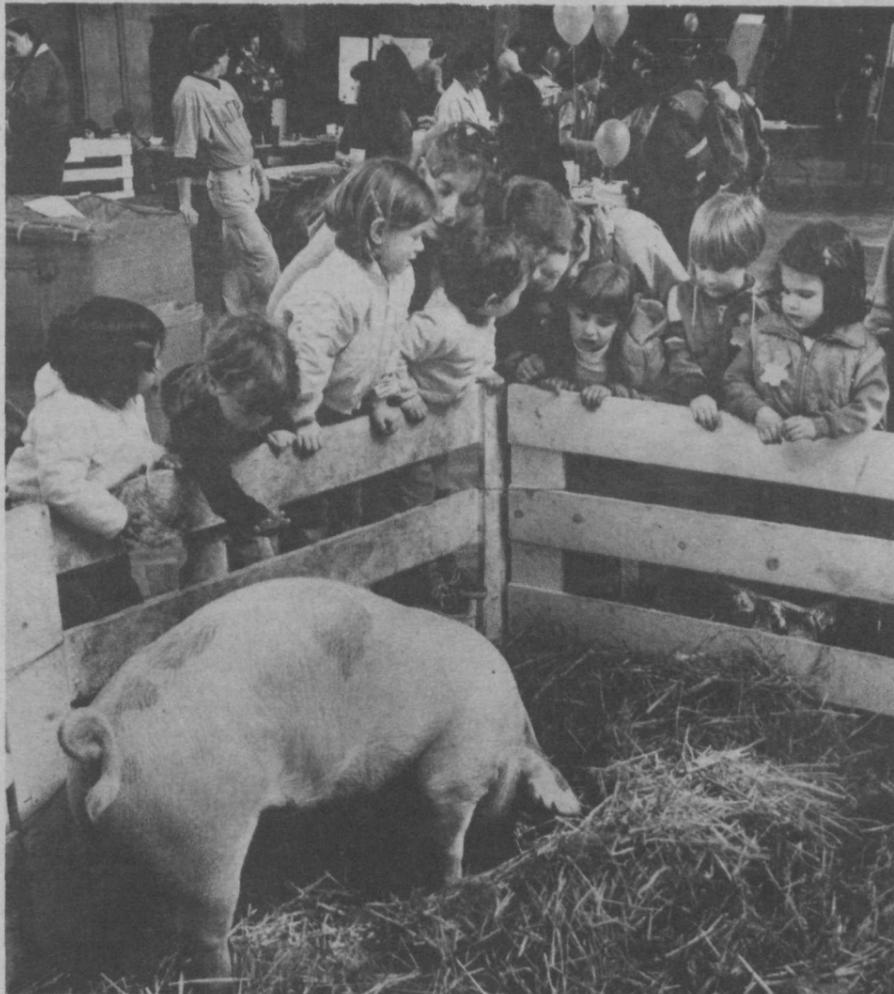
— Terry D. Spittler, senior research associate in food science and technology, Agricultural Experiment Station at Geneva, "Migration of Fonos from Muck Soil into Surface and Groundwater;"

— Jeffrey R. Bloomquist, postdoctoral as-

Continued on Page 15



John Mariani Jr. (right) will receive the 1986 Entrepreneur of the Year award here Friday, April 11, as part of the annual Entrepreneur of the Year Program sponsored by Cornell and the Johnson Graduate School of Management. Mariani, a 1954 Cornell graduate, is chairman and chief executive officer of Villa Banfi U.S.A., the major vintner and leading wine importer that introduced Riunite to the American market in 1967. Corporate raider T. Boone Pickens (left) will speak tonight on "Management's Responsibility to Investors" as part of entrepreneur program and the Presidents' Program being held by the School of Industrial and Labor Relations.



Visitors to Ag Day Monday in the Memorial Room of Willard Straight included youngsters from the Ithaca Daycare Center, who were particularly taken by hogs in a pen.



Jan Bernstein, a Cornell senior and dining supervisor at Willard Straight Hall, compares notes with sophomore Jeffrey Borgida, a dining administrative aide, as part of her work responsibilities.

Cornell Dining Student Worker Has Heavy Supervisory Responsibility

"I'm going to work now."

Jan Bernstein, a Cornell University senior from New York City, says that phrase more often than, "I'm going to class." She spends up to 30 hours per week supervising 250 student workers in Cornell's largest on-campus dining facility.

At Cornell, she is not alone. Work is expected of all students who receive financial aid, a tradition that goes back to the university's earliest days.

"It was Ezra Cornell, the university's founder, who insisted that students who could not pay their way should be able to work to support their education. It's the Cornell tradition," explains Susan Murphy, dean of admissions and financial aid.

"Working is absolutely beneficial for students," she adds. "Working teaches skills that are lifelong. It benefits students for many years beyond graduation."

Seven thousand of Cornell's 18,000 students have on-campus jobs, earning \$7 million a year. Hundreds more hold off-campus jobs, and more than 1,200 students work during the summer, when Cornell organizes one of the largest summer employment programs in the nation.

The Cornell Tradition, a two-year-old program formed by alumni and friends, provides fellowships of up to \$2,500 a year to selected students who are committed to the work ethic.

Cornell's Student Employment Office posts all types of jobs — from bus driver to chimesmaster to jobs called Short Shots. The latter are off-campus, short-term jobs that include waitressing at parties, babysitting, and even installing a bathroom fan for Dennis Chavez, who is program director of student employment.

"The student who applied for my job was perfect," Chavez says. "He was an electrical engineering senior, and he'd worked with his father who was an electrician. He finished the job in five hours."

Still, several campus jobs remain unfilled, Chavez says. Sometimes those jobs demand

very specific qualifications; sometimes they conflict with students' schedules.

"Despite the fear of student aid cutbacks, I don't see more students working this year," adds Murphy. "Perhaps the economy has bounded back enough that parents are paying a larger share of students' education costs."

Students learn "real world" procedures of job application, because Cornell does not assign students to campus jobs. Instead, jobs are posted. Each student decides which job to apply for, prepares a resume, sets up an interview, and goes through the interview process.

"Working students feel more a part of campus, and later they end up with a stronger affiliation to the university," Murphy says. "They also have a higher academic success rate. If they work between eight and 15 hours a week, research shows that working students do better than students who don't work."

The story can be different for students who spend more than 15 hours a week at their jobs, but they receive benefits from their work, too.

"Since my responsibilities have increased, work is on my mind as much as my studies," says dining supervisor Bernstein. "My grades have dropped, but grades aren't as important as the experience. I'm doing things I can list on my resume, and those things mean more to prospective employers."

Bernstein's resume lists the "people skills" she has acquired — hiring, scheduling, training, dealing with conflict, firing. She's been an aggressive employer, initiating a wage hike, a point system that sweetens less popular shifts of work, a plan that allows workers to earn cash bonuses for food, and, most recently, an employee movie night.

"This experience is invaluable when it comes to a job search," she says. "Already I've had an offer from a major food industry, and I won't be surprised if I have more."

Entrepreneurship Risky, But Students Try Anyway

By ELAINE MAIN

It's risky business.

Just ask the Cornell University students who operate 40 enterprises. Whether it's hand-designed boxer shorts or ski trips, being an entrepreneur is risky.

"I'm busiest with the business at times when my studies can least afford it," says Odell Lambroza, a Cornell senior from Bay-side, NY, who runs a Chinese food delivery business with two friends.

"During finals and the week before, when I should be studying, I'm not. I'm at the restaurant taking phone calls or supervising food packaging."

Lambroza is willing to risk his time because the delivery business is his brainchild. He and two other Cornell seniors — Dylan Schaffer from New Rochelle, NY, and Anthony Deboni from Liverpool, NY — persuaded the Pan An Restaurant to sell them Chinese food at a discount.

"When the roads are icy or it's snowing, I really have to fight the urge to stay home," said Schaffer. "But bad weather means students don't want to go out either, so those are our biggest delivery nights."

It was one of those cold snowy Sunday nights when they received their biggest order — a \$104 blowout for a group of Ithaca College students.

"I thought we'd never stop packaging rice," Schaffer said. "A lot of rice goes with that many main dishes."

The three entrepreneurs have hired 11 other students and are going to invest in a second telephone line.

One of the students they hired is an experienced risk-taker. Mark Miller, a senior from South Bend, IN, has developed his third business, TakeNote. It offers immediate, accurate, and well-organized class notes for five Cornell courses. Miller's service hires graduate students to tape lectures and type the notes on a computer. Then, through a complicated series of arrangements, the notes are proofread, printed, and ready for pick-up two days later.

"It took a large amount of 'up front' time to get TakeNote going," Miller says. "The first week of classes I couldn't attend my own courses, and I didn't get much sleep."

Entrepreneur businesses are more flexible than campus employment, which starts at \$3.50 an hour and "takes a lot of your time during the year," Miller says.

TakeNote is the newest student enterprise in Student Agencies Inc. This umbrella agen-

cy is a conglomerate corporation of 15 student-managed enterprises. The businesses hire 200 students and offer a mix of services from computer sales, summer storage, and birthday cake delivery to temporary student directories, resume production, and class rings.

"Cornell was the first university to begin a group like Student Agencies Inc.," said Richard Weider, a 1985 graduate of Cornell's Johnson Graduate School of Management who serves as a consultant to Student Agencies. "That was 90 years ago, and other universities have picked up the idea."

At other universities, however, these umbrella agencies have fallen under university control. Cornell's remains the only independent agency of its kind, attesting to the business finesse of its student-elected officers and managers.

"Student-operated businesses can be profitable," says Aaron Gadouas, a senior from St. Albans, VT, who is president of Student Agencies, Inc. "The median income of our student managers is \$5,000 a year, and a few top managers earn \$12,000."

Student Agencies is starting a new venture fund support by alumni investors to help students begin their own businesses, Weider said.

The determination that student entrepreneurs develop continues after their graduation. Consider Jeff Jacobsen, a consultant for the business he began as a Cornell sophomore — a charter bus service to Washington, DC. By his senior year, he and two friends were organizing 30 charters.

The business, Student Travel Services, is now based in downtown Ithaca. Its charter bus division is run by students, and another division serves Cornell and 50 other universities and colleges, offering holiday flights to Ft. Lauderdale and the Bahamas.

"Sure, my grades went down as I got involved with the business. The greatest market for charter buses came at exam times. You can't work with bus arrangements until 2 a.m. and later that morning be ready for an exam," Jacobsen says.

"There are risks involved in your own business. The pay is unpredictable and the wrong marketing decisions cost money. But my goal is to be the largest and the best in anything I do. I'll be working with my own business 10 years from now."

Elaine Main is assistant director of public information at Wartburg College, Waverly, Iowa. She is studying at Cornell this term.

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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.



Cynthia Knudson, a student worker in Willard Straight Hall, chats with Jan Bernstein.

New Yorkers Inconsistent In Attitudes On Pesticides

By SUSAN S. LANG

Although many New Yorkers oppose the use of pesticides, they still use them widely in the home and yard, according to a new Cornell study.

Their negative views about the use of these chemicals, though, are weak, especially when compared with their much stronger feelings about other environmental issues, such as solid waste and sewage from industrial plants, air pollution, and nuclear power plants.

New Yorkers do feel strongly about pesticides, however, when it comes to the source and reliability of the information they receive about them. Most distrust information that comes from industry, but consider information from environmental organizations, colleges, and universities as "very credible." Reports from mass media and government agencies fall in the middle range of trust.

These findings are among the highlights of the Cornell University report, "Pesticides and Related Environmental Issues: A Study of the Opinions and Behaviors of New York Adults." The study was conducted by Paul Yarbrough, professor of communication arts in the College of Agriculture and Life Sciences, and Fran Yarbrough, who is associated with Cornell's Rural Communication Research Program.

Their study focused on how New York state adults feel about pesticides compared with other environmental issues. They sought to determine whether opinions about pesticides were related to factors such as age, sex, education, residence, mobility, and gardening and farm experience, and to examine how consistent New Yorker's actions and political activism were in relation to those attitudes.

The sample consisted of 688 adults from throughout the state. Cornell researchers found that the majority of the people sampled had reservations about the use of pesticides.

"One of the most interesting findings, however, was the weakness of those attitudes," Yarbrough says. "This is probably because there is widespread uncertainty about some aspects of the issue."

The majority were concerned about the health consequences of pesticide use and felt that regulations were definitely necessary. On the other hand, they recognized the benefits of pesticides, particularly for food production.

Compared with other environmental issues, pesticides were of more concern to women and to residents from upstate New York than to men and to those in New York City.

Becker Lecturer To Discuss History Of Civil War Era

Historian Allan G. Bogue, an expert on American political history, will discuss the world of congressmen, politics, partisanship, and ideology during the Civil War and Reconstruction in the 1986 Carl Becker Lectures at Cornell.

The three lectures will be given April 14, 15, and 16 at 4:30 p.m. in room 165 of McGraw Hall.

Bogue, the Frederick Jackson Turner Professor of History at the University of Wisconsin, is the author or editor of more than a dozen books and nearly 50 articles. Last year, Bogue was elected to the National Academy of Sciences, only the third historian to be named to that organization.

His lecture titles are:

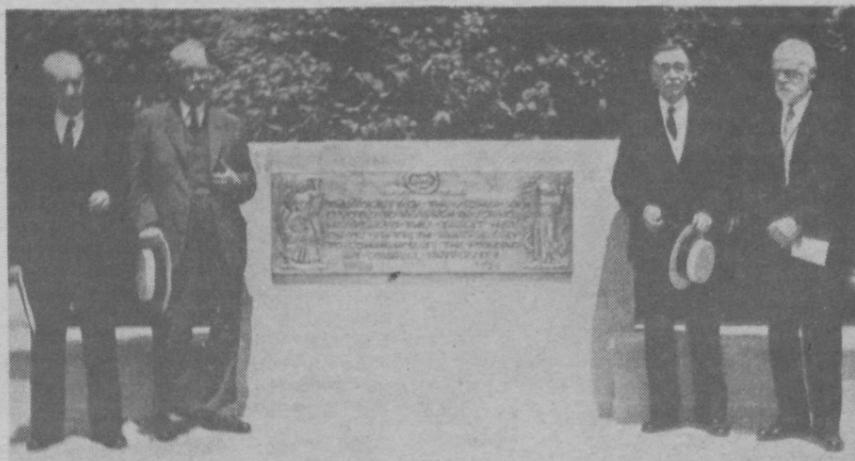
— April 14, "The Paths of Power: Congressional Careers and the Coming of the Civil War;"

— April 15, "Lincoln and the Disorderly Schoolboys: A Chapter in Legislative-Executive Relations;"

— April 16, "God Alone Can Guide Us: Authority Structures and the Civil War Congresses."

Bogue's lectures will address party organization, the effects of ideological debate upon personal and political relationships, and significant shifts in the distribution of power in American public life during and after the war.

The Becker Lectures are presented annually by Cornell's Department of History in honor of the late Carl L. Becker, a historian who taught at Cornell from 1917 to 1941. He served as Cornell University historian in his retirement while writing "Cornell University, the Founders and the Founding."



Fifty years ago, the anniversary of the 1886 founding of Sigma Xi was marked by placing this tablet and bench outside the Sibley Hall room where the group first met. From left were Sigma Xi founders William A. Mosscrop, William A. Day and Frank Van Vleck, and the society's president in 1936, William F. Durand. Members of the scientific research society return this weekend for a 100th anniversary meeting and symposium, and will present an engraved window for Mann Library. Public events include an illustrated lecture by IBM Corp. chief scientist Lewis Branscomb at 8 p.m. Friday in Bailey Hall and a symposium from 1:30 to 5 p.m. Saturday in Statler Auditorium with Charles Hess of UC-Davis, Cornell Provost Robert Barker, and Sheldon Glashow of Harvard. Cornell biologist Thomas Eisner will give the Procter Prize address at 8 p.m. Saturday in Statler Auditorium. (Photograph courtesy of the Cornell Alumni News.)

Rhodes to Commonwealth Club:

'Supercomputers a Starting Point Toward a Competitive America'

Saying that "every aspect of our American way of life is threatened" by global economic competition, Cornell University President Frank Rhodes has called for greater industry and government support of education and scientific research.

One such effort, the national supercomputing program launched in 1985, brought university and industry researchers together "to work on problems of common interest," helping the United States regain its leading position in supercomputers, Rhodes said.

Still, "The full benefit of supercomputers and other advanced technologies cannot be realized unless they are applied by an educated work force through policies that foster investment and innovation," he said in a speech at a meeting of the Commonwealth of California in San Francisco last Friday.

"We must educate, investigate, automate, and facilitate through enlightened public policy ... related to America's supercomputer effort, yet extending far beyond it."

The Commonwealth Club of California is a non-profit, educational organization of more than 14,000 members, most of whom reside in the San Francisco Bay area. Founded in 1903, the club is dedicated to the impartial study of significant public issues.

Cornell's national supercomputing center, one of five named by the National Science Foundation and the first to begin operation, is working "to define the market for supercomputers by bringing together makers and users, while increasing the store of basic knowledge," Rhodes told his audience.

"But five supercomputer centers do not make us supercompetitors. We're running a marathon, and we're only at mile one," he added.

Even the most sophisticated supercomputers cannot offset an adult illiteracy rate of 20 percent, a disinterest in science by young people, a dwindling number of Ph.D.s in engineering, a largely untrained work force, and "uncoordinated and conflicting government policies," Rhodes said.

The scientific investigations that supercomputers make possible will not be realized without a "commitment to the basic research upon which fundamental breakthroughs so often depend," he emphasized.

National funding for basic research totals \$13.3 billion, less than 12 percent of the nation's total research and development spending. Industry and government support is needed to replace outdated research equipment and facilities at universities nationwide, a price tag that could reach \$30 billion, Rhodes said.

Also, research findings must be applied in the factories, Cornell's president added. Today, many firms are shifting their plants overseas or are converting to service enterprises instead of using computers to enhance their flexibility and responsiveness to market conditions.

"We need tax policies that encourage capital investment more than ever (and) ... a coherent national policy ... that recognizes the link between an educated work force and productive R&D; between R&D and capital investment; between both of these and tax policy; between tax policy and trade policy;

between trade policy and fiscal and monetary policy; and between all these policies and America's competitive position in global markets," he said.

The national supercomputing centers, "born through a partnership of universities, industry, and government, aimed at both education and research in the service of important national needs ... provide an important precedent on which we can build to restore our international competitiveness," Rhodes said.

For example, New York Gov. Mario M. Cuomo has proposed a high-speed fiber optics communications network in nine Northeast states that would provide access by scientists and engineers from universities, industry, and government to the region's two national supercomputing centers at Cornell and at the Von Neumann Center in New Jersey.

Such a network "would provide the region with the most advanced and comprehensive communications infrastructure in the world," Rhodes said.

In addition, Cuomo and the New York State Legislature have allocated an additional \$10 million to construct a facility for Cornell's national supercomputing center.

"We can transform can't-do America — with its high labor costs, its antiquated equipment, its myopic preoccupation with short-term gains, and its worsening balance of trade — into can-do America — lean, efficient, determined, and productive."

Rhodes said, "We can create an America able to succeed in global markets, not because of special protection against imports, but because it offers the best products, the best processes, the best services at the best price."

April 28 Deadline For Kram Applications

April 28 is the deadline to apply for the \$1,500 Judith Ellen Kram award at Cornell.

The competition is open to sophomores, juniors, and seniors in any college at the university.

Administered by the Women's Studies Program, the funds support research on topics of concern to women. The research must be done for credit away from Ithaca under the supervision of a Cornell faculty member.

Applications and detailed information concerning the award are available at the Women's Studies Program office at 332 Uris Hall, telephone 255-6480.

The Kram Award was established by Daniel and Ruth Kram in memory of their daughter, Judith, class of 1977 at Cornell.

The 1985-86 recipient of the award was Kathryn A. White, a sophomore in the College of Arts and Sciences. White is conducting independent research on women in Nepal and their role in the production of art, specifically weaving of textiles.

Community Leaders Meet With Cornell On April 26

New developments at Cornell, with special emphasis on opportunities for technology transfer and a broad look at the physical growth under way now, will be presented to Ithaca area community leaders at a breakfast meeting sponsored by the university Saturday, April 26.

Invitations have been sent this week to members of Ithaca's Common Council and the Tompkins County Board of Representatives, as well as other governmental and business leaders. The event will be from 8 to 10 a.m. at the Sheraton Conference Center.

Plans are for Provost Robert Barker to give a general picture of current academic developments at Cornell, Vice President for Research and Advanced Studies Joseph M. Ballantyne to talk about the research picture, including biotechnology and the supercomputer and the potential for "spinoff" industries, and Vice President for Facilities and Business Operations Robert M. Matyas to discuss current and projected construction plans at Cornell.

Periodic meetings of this type have been held with community leaders for the past several years, according to Randall E. Shew, director of community relations. They are designed to keep leaders in the surrounding area up to date on current Cornell plans, and to provide a forum for an exchange of information and views by community leaders and Cornell officials, Shew said.

The last such session was held in October 1985 and was concerned primarily with the university's plans for transportation and traffic developments on the campus.

Ithaca Mayor John C. Gutenberger said, "I meet regularly with senior officials at the university about specific projects in which we're both involved, like the Collegetown development and the Performing Arts Center. These larger, broader breakfast meetings give us an opportunity to talk more generally about the university and the community and the problems — and opportunities — we share. Such sessions are important to our understanding of one another — an essential for all of us."

Mary Call, chairman of the county Board of Representatives, said, "We're very pleased that Cornell is continuing the breakfast meetings. We're all in the people business and it's always good business to sit down and talk over mutual concerns, goals and areas of interest."

Stress Is Topic For Conference April 30-May 1

The effects of stress on families and children and strategies for developing community programs to deal with this growing problem will be the focus of Cornell's annual Social Trends and Outlook Conference, slated for April 30-May 1.

To be held at the Sheraton Inn, the conference on "Families, Children, Communities, Stress — Toward Formulating More Adequate Responses" will feature a series of presentations, panel discussions, and group discussions.

Highlights of the program on the first day include a presentation by Urie Bronfenbrenner, the Jacob Gould Schurman Professor of Human Development and Family Studies, who will discuss how families and children respond to stress. Also a professor of psychology, Bronfenbrenner is an authority on developmental psychology, child rearing, and the ecology of human development.

Other speakers are Harold Capener, professor of rural sociology at Cornell, who will speak on the Cornell Task Force on Farm Family Stress, and William Lofquist, a national consultant on youth organizations from the Kellogg Foundation, who will examine how youth groups can respond to family and community stresses.

Preregistration for the conference is due by April 21. For more information about the program or for registration materials, contact Paul Eberts, coordinator of the conference, or Brenda Creeley, both in the Department of Rural Sociology, Warren Hall, or call 255-2072.

Calendar

April 1986						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

All items for publication in the Calendar section, except for seminar notices, should be submitted (typewritten, double spaced) by mail or in person to Fran Appar, Central Reservations, 531 Willard Straight Hall, who prepares the Calendar notices for these listings. She must receive the notices at least 10 days prior to publication. 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, dance, music, etc.).

Seminars only should arrive at the Chronicle office, 110 Day Hall, no later than noon Friday prior to publication.

All deadlines will be strictly enforced.

*Admission charged.

Announcements

Intramural Wrestling

Deadline for entries is Monday, Apr. 14 by 5:30 p.m. in the Teagle Hall locker room. Weighing-in constitutes entry and must be done by the individual between 2:30 and 5:30 p.m.

An entry fee of \$1 per person is due at weigh-ins. Tournament will begin Tuesday, Apr. 15, at 5 p.m. in the wrestling room. No more than one person at each weight per team. Straight-elimination tournament.

Weight classes are as follows: 130, 145, 155, 165, 175, 190, and heavyweight. Additional information is available in the Intramural Office in Helen Newman.

Crises and Challenges in South Africa

The Cornell African Students Association will be host to a one-day conference on the crises and challenges in South Africa Saturday, April 12, in 110 Ives Hall. Sessions are from 9 a.m. to noon and 1 to 4 p.m., and are open to all.

English Honors Reception

There will be a reception for present English Department honors students and for those students interested in the program on Thursday, April 10, from 4 to 6 p.m. in the Temple of Zeus, Goldwin Smith Hall. Light refreshments will be served.

Engineering Seniors

Want to spend your first graduate academic year at a top French engineering school in Paris? Tuition exemptions may be available. (Aerospace, mechanical, electrical, civil, chemical and industrial engineering; applied mathematics, physics, economics, computer science, material science.) Contact Professor Michel Louge, 284A Grumman, 255-4193 for further details.

Writing Workshop

Writing Workshop Walk-in Service. Free tutorial instruction in writing. Mon.-Thurs., 3:30-6 & 7:30-10 p.m.; Sun. 3-8 p.m. 174 Rockefeller Hall and Sun.-Thurs. 10 p.m.-midnight in 340 Goldwin Smith Hall.

Archaeology Field Scholarships

Hirsch travel scholarships will be granted to archaeology students for field training this summer. About 10 students, participating in properly supervised archaeological field schools and research projects in the United States and abroad, will receive grants toward travel costs. Undergraduates majoring or concentrating in archaeology will be preferred candidates, but others with a proven interest in archaeology may apply. For details and application forms, see members of the Archaeology faculty or Bev. Phillips, 265 McGraw Hall. Fliers, advertising many field training programs in addition to those sponsored by Cornell, are on file in the archaeology office, along with evaluative reports by former participants. The deadline for applications is April 18.

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Pre-Course Enrollment
Human Ecology Undergrads: Last day for pre-course enrollment for the fall 1986 term is Friday, April 18. Check MVR Mail files, bulletin boards and TV monitor for information.

Human Ecology Orientation Advisors
Human Ecology Undergraduate Orientation Advisors applications are available in Student Services, N101 MVR. Applications are due on Friday, April 18.

Flora Rose Prize

Nominations for the \$250, 1985-86 Flora Rose Prize in memory of Professor Flora Rose are being accepted for a Cornell junior or senior who "shall demonstrate the greatest promise for contributing to the growth and self-fulfillment of future generations." Letters of nomination may come from any person in the Cornell community. Send nominations to Barbara Morse, N101 MVR Hall by Friday, April 18. For more information call 255-2532.

Fruit Pruning Workshop

Cooperative Extension is sponsoring a fruit pruning workshop on Saturday, April 12 from 9 a.m. to 12 noon at the Cornell Orchards. Marvin Pritts, Cornell's authority on small fruits, and Warren Stiles, Cornell's tree fruit expert, will lead discussions and demonstrations. Free. Open to the public. For more information, call 272-2292.

Workshops

Workshops on stress management, general personal growth, assertiveness, building self-esteem, building satisfying relationships, and women, food and self-esteem begin the week of April 14. Free, confidential, open to the Cornell community. For registration and information, call 255-3608 or stop by 103 Barnes Hall.

Dance

Cornell Dance Series

The Cornell Dance Series Spring Performance will feature the Lucinda Childs Dance Company on Friday, Apr. 11 at 8 p.m. in the Statler Auditorium. For tickets and information contact the dance office, Helen Newman Hall, 255-2360. The 1985-86 Cornell Dance Series is made possible by the College of Arts and Sciences and the Council of the Creative and Performing Arts.

Cornell Jitterbug Club

The Cornell Jitterbug Club meets every Wednesday, 7:30-9:30 p.m. in Anabel Taylor Edwards Room. Instruction given.

Israeli Folk Dancing

Dancing will be held on Thursday evenings at 8 p.m. in the One World Room of Anabel Taylor Hall. Beginners and experienced dancers welcome.

Cornell Folkdancers

The Cornell Folkdancers will meet in the North Room of Willard Straight Hall on Sunday, March 9 and 16. Instruction from 7:30-8:30 p.m., followed by request dancing until 10:30 p.m. Free; beginners welcome; no partner necessary. For more information call 255-7149 or 157-3156.

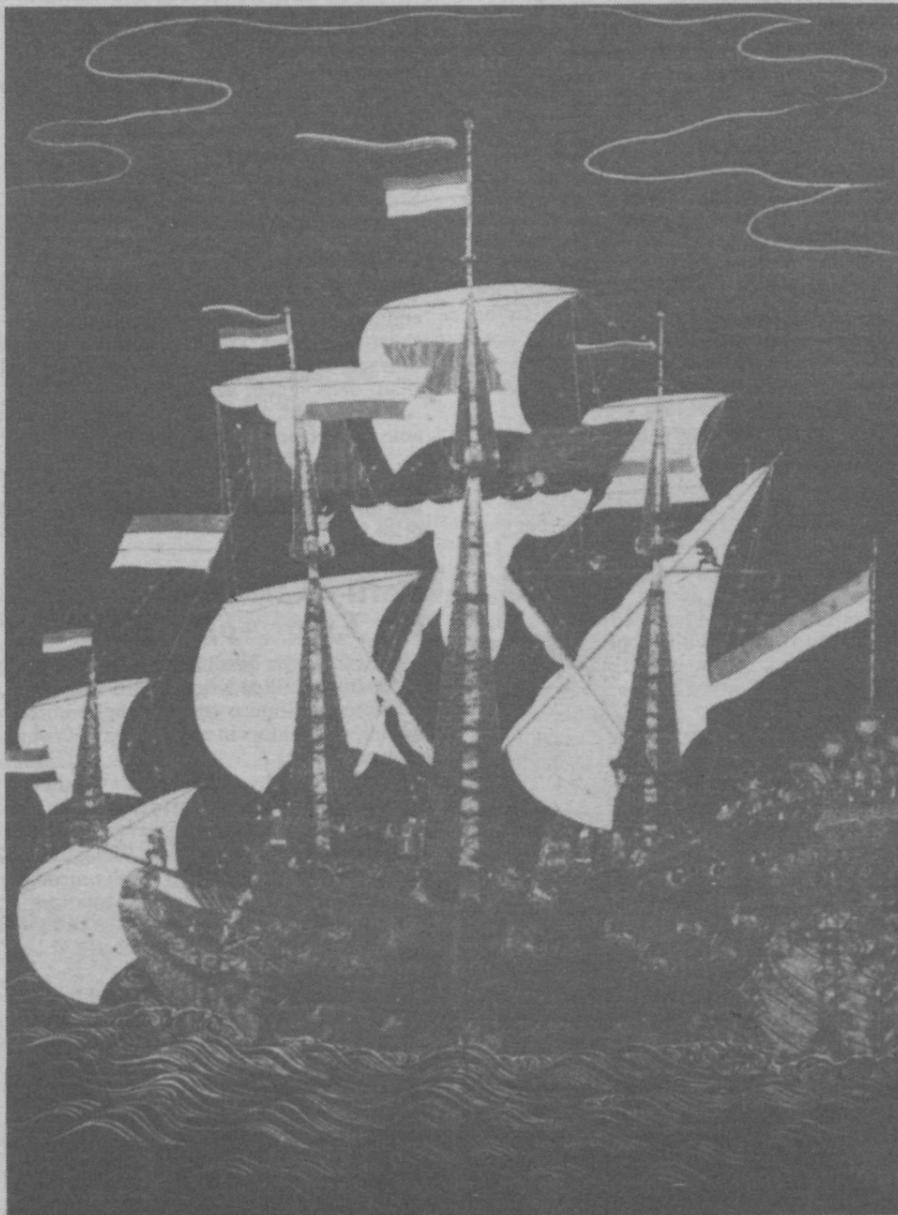
Jazz Exercise

Adult Jazz Exercise Dance Class. Tuesdays and Thursdays, 7-8 p.m. Call 255-4231 mornings or 257-5677 for further information.

Exhibits

Herbert F. Johnson Museum

"Masters of Contemporary Art in Poland," through May 18; "Pen, Brush, and Folio: The Art of the Medieval Book," Apr. 11 through June 1; "Fukusa: Japanese Gift Covers from the Shojiro Nomura Collection," Apr. 11 through June 15; local artist and Cornelian Michael Baum, Apr. 19 through June 15. The Museum is located on the corner of University and Central avenues. Open Tuesday through Sunday, 10 a.m. to 5 p.m. Admission is free. Call 255-6464 for further information.



Dutch Trading Vessel; Japan, Meiwa era (1764-1771); a work in embroidered satin, lined and framed with red crepe, is one piece in the Shojiro Nomura Fukusa Collection from Mills College in Oakland, Calif., that will be on display April 11-June 15 at the Herbert F. Johnson Museum of Art.

Films

Unless otherwise noted films are sponsored by Cornell Cinema.

Thursday

Apr. 10, 4 p.m. 301 Uris Library. "The Jewel in the Crown, Part 10: An Evening at the Maharee's." South Asia Video Series. Sponsored by the South Asia Program.

Apr. 10, 7:30 p.m. G-1 Stimson. "Tragedy of the Commons," and a movie on whales. Sponsored by Jordani. Funded in part by the Student Finance Commission.

Apr. 10, 8 p.m. *Uris Hall Auditorium. "Rashomon," (1950), directed by Akira Kurosawa, with Toshino Mifune and Machiko Kyo. Co-sponsored by the English Department.

Apr. 10, 8 p.m. Anabel Taylor Hall Auditorium. "Gaza Ghetto: Portrait of a Palestinian Family." Sponsored by the Palestine Human Rights Committee.

Friday

Apr. 11, 8 p.m. *Anabel Taylor Auditorium. "The Falcon and the Snowman," (1985), directed by John Schlesinger, with Sean Penn and Timothy Hutton.

Apr. 11, 9:45 p.m. *Uris Hall Auditorium. "Hail Mary," (1984), directed by Jean-Luc Godard, with Myriem Roussel and Thierry Rode.

Apr. 11, Midnight. *Uris Hall Auditorium. "The Man Who Fell to Earth," (1976), directed by Nicolas Rowg, with David Bowie and Candy Clark.

Saturday

Apr. 12, 4 p.m. Uris Hall Auditorium. "Re-thinking Rape," directed by Jeanne Le Page. Issues surrounding acquaintance rape. Discussion to follow.

Apr. 12, 7:30 p.m. *Uris Hall Auditorium. "Hail Mary."

Apr. 12, 8 p.m. *Anabel Taylor Auditorium. "The Coca-Cola Kid," (1985), directed by Dusan Makavejev with Eric Roberts and Greta Scacchi.

Apr. 12, 9:45 p.m. *Uris Hall Auditorium. "The Man Who Fell to Earth."

Sunday

Apr. 13, 2 p.m. Johnson Museum Lecture Room. "Blonde Venus," (1932), directed by Josef Von Sternberg, with Marlene Dietrich and Cary Grant.

Apr. 13, 8 p.m. *Uris Hall Auditorium. "Psycho," (1960), directed by Alfred Hitchcock, with Janet Leigh, Anthony Perkins and Martin Balsam. Co-sponsored by the English Department.

Monday

Apr. 14, 4 p.m. 301 Uris Library. "Chachaji." South Asia Film Series. Sponsored by the South Asia Program.

Apr. 14, 4:30 p.m. Uris Hall Auditorium. "Ad-

ventures of a Wanderer (Strange Encounters)," (1984), Yu Benzheng. Sponsored by the China-Japan Program.

Apr. 14, 8 p.m. *Central Casting. "Applause," (1929), directed by Rouben Mamoulian with Helen Morgan. Co-sponsored by NYSCA and the Astoria Museum.

Apr. 14, 9 p.m. *Uris Hall Auditorium. "Gaslight," (1944), directed by George Cukor, with Ingrid Bergman and Charles Boyer.

Tuesday

Apr. 15, 4:30 p.m. Uris Library Media Center Room 310. "Sparrow with Sparrow, Raven with Raven." A panoramic perspective on contemporary Malaysia presenting the history, cultural differences, and social problems of Malaysia's two main ethnic groups, Malays and Chinese. Sponsored by the Southeast Asia Program.

Apr. 15, 4:30 p.m. Uris Hall Auditorium. "Regret for the Past," (1981), Shui Hua. Sponsored by the China-Japan Program.

Apr. 15, 8 p.m. *Uris Hall Auditorium. "A Week's Vacation," (1980), directed by Bertrand Tavernier with Nathalie Baye and Gerard Lanvin. Co-sponsored by Romance Studies.

Wednesday

Apr. 16, 4:30 p.m. Uris Hall Auditorium. "Flowing" (1956), Mikio Naruse. Sponsored by the China-Japan Program. Co-sponsored by Cornell Cinema and the Society for the Humanities.

Apr. 16, 8 p.m. *Uris Hall Auditorium. Films and comedy performance by Jan Oxenberg. A Comedy in Six Unnatural Acts and Home Movie. Co-sponsored by GayPAC and Noyes Center.

Thursday

Apr. 17, 4 p.m. 301 Uris Library. "The Jewel in the Crown, Part 11: Journeys into Uneasy Distances." South Asia Video Series. Sponsored by the South Asia Program.

Apr. 17, 4:30 p.m. Uris Library Media Room. "Ansar Prison," a documentary of an Israeli concentration camp in southern Lebanon. Sponsored by the Palestine Human Rights Committee.

Friday

Apr. 18, 7:15 p.m. *Uris Hall Auditorium. Guest filmmaker Mark Pappaport presents "Imposters," (1983), with Charles Ludlam. Co-sponsored by Pentangle and the Michael Baum Foundation.

Apr. 18, 10 p.m. *Uris Hall Auditorium. Guest filmmaker Yvonne Rainer presents "The Man Who Envied Women," (1985), directed by Yvonne Rainer with Jackie Raynal and Trisha Brown. Co-sponsored by the Michael Baum Foundation.

Saturday

Apr. 19, 7:30 p.m. *Uris Hall Auditorium. Guest filmmaker Amos Poe presents "The Forfeiter," (1978). Co-sponsored by the Michael Baum Foundation.

Apr. 19, 8 p.m. *Anabel Taylor Auditorium. "Compromising Positions," (1985), directed by Frank Perry with Susan Sarandon and Raul Julia.

Apr. 19, 8 p.m. *Anabel Taylor Auditorium. "One Flew Over the Cuckoo's Nest," (1974), directed by Milos Forman with Jack Nicholson and Louise Fletcher.

Apr. 19, 10 p.m. *Uris Hall Auditorium. "The Way It Is," (1968), directed by Eric Mitchell, with Boris Major and Kai Eric. Co-sponsored by the Michael Baum Foundation.

Sunday

Apr. 20, 2 p.m. Johnson Museum Lecture Room. "Beyond Voyeurism Compilation Program," films by Marilyn Rivchin, Su Friedrich, Carolee Schneeman, and others. Free.

Apr. 20, 8 p.m. *Uris Hall Auditorium. Guest filmmaker Bette Gordon presents "Variety," (1984), with Sandy McLead and Will Patton. Co-sponsored by the Michael Baum Foundation.

Lectures

Thursday

Apr. 10, 12:15 p.m. A.D. White House 201. Obaidullah Khan, Ambassador from Bangladesh to the United States will discuss poetry in Bengali and English and read samples of his own work. Sponsored by the South Asia Program.

Apr. 10, 12:20 p.m. 102 West Ave. Ext. "The Philippines-United States Mutual Security Agreement: U.S. Bases and Insurgency," Professor George McT. Kahin, Dept. of Government. Sponsored by the Southeast Asia Program.

Apr. 10, 4:30 p.m. 115 Rockefeller Hall. "Commodity Fetishism and Neoclassical Aesthetic Theory: An Essay in Feminist Poetics," Laura Brown, Department of English. Reception to follow in 307 Rockefeller. Sponsored by the Literatue Club.

Apr. 10, 4:30 p.m. 106 Morrill Hall. "Binding Conditions and Crossover Phenomena," Dr. Susumu Kuno, Department of Linguistics, Harvard University. Sponsored by the Cornell Linguistic Circle.

Apr. 10, 8 p.m. Goldwin Smith Kaufmann Auditorium. Lesbian, Gay, and Bisexual Awareness Month, "Lesbian and Gay Civil Rights: A Report from Washington," Nancy Roth, Former Executive Director of Gay Rights National Lobby. For more information, call 255-6482.

Friday

Apr. 11, 12:15 p.m. 360 Uris Hall. Brown Bag Lunch. "Victorian Food," Susan Williams, Strong Museum, Rochester. Sponsored by the Western Societies Program.

Apr. 11, 12:15 p.m. Africana Studies and Research Center, Hoyt Fuller Room. Brown Bag Lunch. "Minority Student Recruitment Strategies: Challenges of the 1980's," Jocelyn Hart, Assistant Dean, Graduate School. Sponsored by the Africana Studies and Research Center.

Apr. 11, 8:15 p.m. One World Room, Anabel

Taylor Hall. "Jewish Pluralism: The Limits of Ahavat Yisrael," Pinchas Hacohen Peli, professor of Jewish values at Ben Gurion University in Beer Sheva, Israel. Sponsored by Hillel Grad Group.

Saturday

Apr. 12, 10:30 a.m. to 4 p.m. 120 Ives Hall. A conference on the Puerto Rican reality featuring speakers on the impact of Reaganomics policies on the Puerto Rican economy, the relationship between Puerto Rico, the Caribbean, and Latin America focusing on U.S. militarization of the region, and the decolonization of Puerto Rico.

Sunday

April 13, 11 a.m. One World Room, Anabel Taylor Hall. Lox and Bagel brunch. Program, "Romantic Love and Emancipation for Jewish Women in Eighteenth Century Berlin," Deborah Hertz, History, SUNY Binghamton. Sponsored by Hillel Grad Group.

Monday

Apr. 14, 4:30 p.m. 115 Rockefeller Hall. "Prisoners for Palestine: The Case of Women," Rima Salah, SUNY, Binghamton. Sponsored by the Palestine Human Rights Committee.

Apr. 14, 4:30 p.m. 156 Goldwin Smith Hall. "Translating Lucan's Pharsalia," Jane Joyce, Professor of Classics, Centre College, Kentucky. Sponsored by the Department of Classics.

Tuesday

Apr. 15, 12:15 p.m. 177 Goldwin Smith Hall. Brown Bag Lunch. "To Stay or To Leave: Germany's Inner Emigration," Wold Von Eckardt, Visiting Lecturer.

Apr. 15, 4:30 p.m. Goldwin Smith Hollis Cornell Auditorium. "The Geometrical Spirit in the Late Enlightenment," Professor John L. Heilbron, Historian of Science, University of California, Berkeley and A.D. White Professor-at-Large.

Wednesday

Apr. 16, 12:15 p.m. 374 Rockefeller Hall. "Arab-African Relations," Akbar Mohaned, SUNY Binghamton. Sponsored by the Department of Near Eastern Studies.

Apr. 16, 4:30 p.m. 205 Thurston Hall. "Gravity Waves and the 4D Lorentz Equation," Pat Sethna, Professor of Aerospace Engineering, University of Minnesota. Sponsored by the Dept. of Theoretical and Applied Mechanics, College of Engineering.

Apr. 16, 4:30 p.m. Guerlac Room, A.D. White House. "The Semiotics of Culture and the Influence of Bakhtin," Ann Shukman, Oxford University. Sponsored by the Society for the Humanities.

Apr. 16, 8 p.m. Goldwin Smith Kaufmann Auditorium. "The Israeli Writer Confronting His Society," A.B. Yehoshiva, author. Sponsored by B'nai B'rith Hillel.

Thursday

Apr. 17, 12:15 p.m. A.D. White House 201. "Allurement Under Wraps: Women's Self-Images in Rajasthani Folk Songs," Ann Gold, Visiting Professor of Anthropology. Sponsored by the South Asia Program.

Apr. 17, 3:30 p.m. Loft III, Willard Straight Hall. Lesbian, Gay, and Bisexual Awareness Month, "Feminist and Gay Politics," a workshop with filmmaker Jan Oxenberg. For more information, call 255-6482.

Apr. 17, 4:30 p.m. 165 McGraw Hall. "North and South: Geohistory of the Ancien Regime," Emmanuel Le Roy Ladurie, A.D. White Professor-at-Large. Sponsored by the Western Societies Program.

Apr. 17, 5 p.m. 115 Tjaden. The Nancy G. Dickenson Visiting Artist Lecture Series presents Philip Pearlstein, painter. Co-sponsored by CCPA and the Architecture, Art, and Planning College Lecture Series.

Apr. 17, 8:15 p.m. 101 Bradfield Hall. Staley Distinguished Christian Scholar Lecture Series, "The American Hour: A European Perspective on the U.S. in the 1980's," Os Guinness. Co-sponsored by the Cornell Graduate Christian Forum, Cornell Christian Fellowship, and funded in part by the Graduate Activities Funding Commission.

Friday

Apr. 18, 12 p.m. 250 Caldwell. Lecture VI of a six-lecture series on historic and contemporary issues affecting the American Indian, "Indian Art Within Art History: How Does Art History Deal With Indian Art and is this Approach Adequate?" Susan Shedd, art historian formerly with the Herbert F. Johnson Museum of Art. Sponsored by the Outreach Component of the American Indian Program.

Apr. 18, 12:15 p.m. African Studies and Research Center, Hoyt Fuller Room. Brown Bag Lunch. "Affirmative Action: Responding to the Critics," Thelma Crivens, (former project director, U.S. Commission on Civil Rights), School of Industrial and Labor Relations. Sponsored by the Africana Studies and Research Center.

Apr. 18, 12:15 p.m. 360 Uris Hall. Brown Bag Lunch. "Literature, Popular Culture, and Revolution in Modern Europe," Walter Cohen, Comparative Literature. Sponsored by the Western Societies Program.

Apr. 18, 8:15 p.m. 101 Bradfield Hall. Staley Distinguished Christian Scholar Lecture Series, "A House Dividing: Reconciliation and Reconstruction in a Religiously Divided America," Os Guinness. Co-sponsored by the Cornell Graduate Christian Forum, Cornell Christian Fellowship, and funded in part by the Graduate Activities Funding Commission.

Music

Santoor Music with Tabla

The Cornell Indian Students Association will present Pandit Shiv Kumar Sharma, regarded as the world's foremost santoor musician, with acclaimed tabla player Shafaat Ahmed Khan, at 8

p.m. Friday, April 11, in Martha Van Rensselaer Auditorium. Of the Santoor, Shiv Kuma Sharma explains, "Classical music can pull people by its sheer depth, but previous generations never got an opportunity to listen to it. Now its availability has multiplied manifold. After Independence there were hardly any public concerts — today I have lost count of them." Tickets are available at the Willard Straight Hall box office and Sangam Restaurant.

Chamber Ensemble to Perform

The Cornell Chamber Ensemble, under the direction of John Hsu, will perform on all Mozart program at 8:15 p.m. Friday, April 11, in Barnes Hall. It is free and open to the public.

The Ensemble is composed of all the students in the Chamber Music Ensemble course offered by the Department of Music. They have joined together this semester for the express purpose of studying and performing this program which includes Symphony in A Major, K.114 (1771) Symphony in G Major, K.199 (1773), and Symphony in A Major, K.134 (1772). These early Mozart symphonies were composed while he was 15 to 17 years old. These are the only symphonies by Mozart scored for strings, two flutes and two horns instead of strings, two oboes and two horns, as was customary for his other early symphonies.

Jazz Pianist Harris Here

Jazz pianist Barry Harris will give a recital in Barnes Hall at 8:15 p.m. Friday, April 18. The concert is free and open to the public.

Harris, performer, teacher, as well as part-owner of the Jazz Cultural Theatre in New York City, plays with a melodic and rhythmic approach. On this program are pieces for solo and duo piano.

Pianist Carl Blake to Give Recital

Carl Blake, pianist, will give a public recital in Barnes Hall at 8:15 p.m., Wednesday, April 16. The free, public concert is sponsored by the Music Department.



The works to be performed start with "Six Preludes" by Claude Debussy and "Sonata No.2, Op.35" by Frederic Chopin. The second half of the program continues with "Six Pieces, Op.118" by Johannes Brahms and Samuel Barber's "Sonata in E-flat minor, Op.26."

Blake obtained a Bachelor of Music degree from Boston University and his Masters degree in San Jose State, where he studied with master teacher Aiko Onishi. He also studied with Kaestner Robertson in Jamaica, culminating in an all Chopin recital on the Jamaica Broadcasting Corp. television, and with Pierre Sancan at the Parris Conservatory. Currently, he is pursuing doctoral studies in fortepiano performance with Professor Malcolm Bilson of Cornell University. A Carnegie Recital Hall debut is planned for May 6, 1986.

Thursday

Apr. 10, 4 p.m. Grout Room. Neal Zaslav: Recording 67 Mozart Symphonies-post mortem. Sponsored by the Department of Music.

Apr. 10, 8:15 p.m. Barnes Hall. Sati, New Music. Sponsored by the Department of Music.

Friday

Apr. 11, 8 p.m. Martha Van Rensselaer Auditorium. Pandit Shiv Kumar Sharma, santoor, with Shafaat Ahmad Khan, tabla. Tickets available at Willard Straight Hall box office and Sangam Restaurant.

Apr. 11, 8:15 p.m. Barnes Hall. Cornell Chamber Ensemble; John Hsu, director. Program of Mozart symphonies. Sponsored by the Department of Music.

Saturday

Apr. 12, 11 a.m. Anabel Taylor Forum. Workshop on freeing your voice and vocal improvisations by Sally Rogers, accomplished folk singer and mountain dulcimerist. For information and registration, call Eve Schwartz at 273-3650. Sponsored by the Cornell Folk Song Club.

Apr. 12, 2-3:30 p.m. Anabel Taylor Forum. Workshop on accompanying songs on the mountain dulcimer by Sally Rogers, accomplished folk singer and mountain dulcimerist. For information and registration, call Eve Schwartz at 273-3650. Sponsored by the Cornell Folk Song Club.

Apr. 12, 8:15 p.m. Sage Chapel. Nothing But Treble presents "Spring Forward," directed by Susan Davenny Wyner.

Apr. 12, 8:15 p.m. Barnes Hall. Jazz Ensemble; Stephen Singer, director. Sponsored by the Department of Music.

Apr. 12, 8:30 p.m. *Goldwin Smith Kaufmann Auditorium. Sally Rogers, singer of contemporary songs and ballads. Advance tickets available at the Commons Coffeehouse, Rebop Records, and Ithaca Guitar Works. Sponsored by the Cornell Folk Song Club. For more information, call 273-3650.

Sunday

Apr. 13, 8-11 p.m. Anabel Taylor Commons Coffeehouse. Bound for Glory with Bill Staines, singer and songwriter. Simulcast live on WVBR-FM 93.

Apr. 13, 8:15 p.m. Bailey Hall. Mstislav Rostropovich, cello. Works by Marcello, Schumann, Brahms, Rachmaninov, and Shostakovich. Sponsored by the Department of Music.

Wednesday

Apr. 16, 8:15 p.m. Barnes Hall Carl Blake, piano. Works by Debussy, Chopin, Brahms, and Barber. Sponsored by the Department of Music.

Thursday

Apr. 17, 8 p.m. *Anabel Taylor Auditorium. Metamora featuring Malcolm Dalglish, Grey Lar-

sen & Pete Sutherland. Tickets available at the Ithaca Guitar Works, Commons Coffeehouse and Rebop Records. Sponsored by Balinkie Productions and the Commons Coffeehouse.

Friday

Apr. 18, 3:30 p.m. Grout Room, Lincoln Hall. Byron Adams: Comparative Revision of MMS. of Vaughan Williams' 6th Symphony. Sponsored by the Department of Music.

Apr. 18, 8:15 p.m. Barnes Hall. Jazz piano recital: Barry Harris, piano. Sponsored by the Department of Music.

Saturday

Apr. 19, 8:15 p.m. Sage Chapel. Concert by the Cornell Chorus; Byron Adams, conductor. Works by Purcell, Porpora, West, and McQuilken. Sponsored by the Department of Music.

Sunday

Apr. 20, 4 p.m. Barnes Hall. Collegium Musicum; John Hsu, director. English music of the 16th-17th century. Sponsored by the Department of Music.

Apr. 20, 8-11 p.m. Anabel Taylor Commons Coffeehouse. Bound for Glory with Cindy Mangsen, traditional and contemporary folk music. Simulcast live on WVBR-FM 93.

Religious Events

Thursday

Apr. 10, 7:30 a.m. Anabel Taylor Founders Room. Women's Rosh Chodesh Minyan.

Friday

Apr. 11, 7 p.m. Anabel Taylor One World Room. Shabbat dinner with Pinchas Hacohen Peli, "Jewish Pluralism: The Limits of Ahavat Yisrael." Please make and pay for reservations at the Hillel office, G-34 Anabel Taylor Hall.

Monday

Apr. 14, 7:30 p.m. G-34 Anabel Taylor Hall. Haggadah Study Group.

Tuesday

Apr. 15, 12 Noon. G-34 Anabel Taylor Hall. Jewish Women's Discussion Group. Bring a bag lunch.

Thursday

Apr. 17, 4:30 p.m. G-34 Anabel Taylor Hall. Haggadah Study Group.

Religious Services

Sunday

Apr. 13, 11 a.m. Sage Chapel. Speaker: Larry Palmer, Law School.

Seminars

Seminar notices, unlike other calendar notices, do NOT go to Central Reservations in Willard Straight, but should be delivered to the Chronicle office, 110 Day Hall, in writing by noon Friday before publication. Each notice can be run only once, so on Thursday events please note whether you wish it published the day of the event or the week before. Please include the name and telephone number of someone who can be reached if there are questions.

Archaeology: "Surveying the Biblical Land of Gashur," David Owen, Near Eastern Studies, 4:40 p.m. Thursday, April 17, 305 McGraw.

Astronomy: "Recent Observations of Halley's Comet," Michael J. S. Belton, Kitt Peak, 4:30 p.m. Thursday, April 17, 105 Space Sciences.

Biochemistry, Molecular and Cell Biology: "What Actin Can Tell us if We Listen," Lewis Tilney, Biology, Penn, 4:30 p.m. Friday, April 18, 204 Stocking.

Chemical Engineering: "Production and Recovery of Biochemical by Plant and Animal Cells," Harvey Blanch, Cal-Berkeley, 4:15 p.m. Tuesday, April 15, Olin 145(A).

Chemistry: "New Organometallic Reagents for Olefin Synthesis," Jeffrey Schwartz, Princeton, 4:40 p.m. Monday, April 14, 119 Baker Lab.

Chemistry: "The Periodic System of the Elements; Why on Earth Are There Metals and Non-metals?" Peter P. Edward, Cambridge, 4:40 p.m. Thursday, April 17, 119 Baker Lab.

China-Japan Program: "Career Opportunities Related to East Asia," C. Paul Dredge, management consultant for the Potomac Group Inc.; Timothy S. Williams, attorney in Moravia; Susan Heinz, director of corporate programs at the Asia Society Inc., 4:30 p.m. Thursday, April 17, 374 Rockefeller.

China-Japan Program: "New Light on the Sanscrit Origin of Chinese Tonal Prosody," Victor Mair, associate professor of Chinese literature, Penn, 4:30 p.m. Friday, April 18, 374 Rockefeller.

CISER: "Analyzing Life Histories of Organizations," Michael Hannan, sociology, 4 p.m. Wednesday, April 16, 117 Ives.

Communication Arts: "Listening and Organizational Structure," David Drinkwater, dean of students, 4 p.m. Thursday, April 17, 101 Bradfield.

Computer Science: "Explanation-Based Manipulator Learning; Acquiring Robotic Manufacturing Schemata," Alberto Maria Segre, University of Illinois at Urbana-Champaign, 4:30 p.m. Thursday, April 10, Upson B-17.

Ecology and Systematics: "Four Constraints on Coevolution Between Plants and Their Seed Dispersers; A Tropical Case History," Nathaniel T. Wheelwright, Cornell, 4:30 p.m. Wednesday, April 16, Morison Seminar room, Corson/Mudd Halls.

Ethnic Studies: "Wanted but not Welcome; Uses of Alien Labour in Western Development," Ari Zollberg, New School of Social Research, 3:30 p.m. Tuesday, April 15, 153 Uris Hall.

Floriculture and Ornamental Horticulture: "Building Drought-Tolerant Plants," Tom Ranney, F&OH graduate student, 12:15 p.m. Thursday, April 17, 37 Plant Science.

Food Science: "Blood Protein-Carcinogen Adducts; A New Tool for Molecular Epidemiology," Steven Tannenbaum, Nutritional & Food Science, MIT, 4:30 p.m. Tuesday, April 15, 204 Stocking.

Genetics and Development: "Genes Controlling Meiosis in Yeast," Rochelle Easton Esposito, Biology, University of Chicago, 3 p.m. Thursday, April 17, 135 Emerson.

History and Philosophy of Science and Technology: "Worlds Apart; Writings on Rivers and Geology, Circa 1800," Keith Tinkler, geography, Brock University, 4:35 p.m. Wednesday, April 16, 156 Goldwin Smith.

International Studies in Planning: "From State Farms to Private Property; Sandinista Agrarian Policy, 1979-1985," Carmen Diana Deere, Economics, University of Massachusetts, Amherst, 12:15 p.m. Friday, April 18, 157 East Sibley.

Jugatae: "Zygothrica Systematics and the Repeated Evolution of Broad-Headed Males in the Drosophilidae (Diptera)," David Grimaldi, graduate student, entomology, Cornell, 4 p.m. Monday, April 14, Morison Room, Corson/Mudd Halls.

Materials Science and Engineering: "Surface Capillary Wave Scattering from Polymer Films on Air-Water & Oil-Water Interfaces," Hyuk Yu, University of Wisconsin, 4:30 p.m. Thursday, April 17, 140 Bard.

Mechanical and Aerospace Engineering: "Dynamic Parameter Estimation for Calibration of Robotic Manipulators," James R. Bosnik, Penn State, 4:30 p.m. Monday, April 14, 282 Grumman.

Mechanical and Aerospace Engineering: "Present and Future Cooling Technologies for Large Scale Supercomputers," Richard C. Chu, IBM, 4:30 p.m. Tuesday, April 15, 282 Grumman.

Mechanical and Aerospace Engineering: "Acoustics of the Violin," Robert T. Jones, NASA Ames Research Lab, 4:30 p.m. Friday, April 18, 111 Upson.

Natural Resources: "Trees and Tenure; Property Issues in Agroforestry," Louis Fortmann, Cal-Berkeley, 12:15 p.m. Tuesday, April 15, 304 Fernow.

Organizational Behavior: "A Psychoanalytic Perspective for the Diagnosis of Organizational Problems," Harry Levinson, the Levinson Institute, Cambridge, Mass., 4 p.m. Monday, April 14, 120 ILR Conference Center.

Organizational Behavior: "A Comparison of English and American Psychoanalytic Perspectives of Organizational Behavior," Lawrence Gould, City University of New York, 4 p.m. Thursday, April 17, 120 ILR Conference Center.

Peace Studies: "Strategic Defense in Athens and Washington," Josiah Ober, Montana State, 12:15 p.m. Monday, April 14, 374 Rockefeller.

Pharmacology: "Voltage-Dependent Sodium Channels; Molecular Structure and Cellular Dynamics," Kim Angelides, biochemistry and neurobiology, University of Florida Medical School, 4:30 p.m. Monday, April 14, D101L Schurman.

Physiology: "Controls in the Feeding of Horses," K. Houpt, Cornell, 4:30 p.m. Tuesday, April 15, G-3 Veterinary Research Tower.

Plant Biology: "The Roles of Plant Chemistry in the Ecology of Swallowtail Butterflies," PDaul Feeny, ecology and systematics, Cornell, 11:15 a.m. Friday, April 18, 404 Plant Science.

Plant Breeding: "Overcoming Breeding Barriers in Sonalaceae," Thomas Gradziel, graduate research assistant, Geneva and Cornell, 12:20 p.m. Tuesday, April 15, 135 Emerson.

Plant Pathology: "Toward Selection of Disease Resistant Apple Germplasm in Vitro," Marcella Yepes, 4:30 p.m. Tuesday, April 15, 404 Plant Science.

Pomology: "Transformation Methods Relevant to Fruit Apples," Sheng-Zhi Pang, pomology, Cornell, 11:15 a.m. Monday, April 14, 114 Plant Science.

Psychology: Title TBA, John R. Krebs, Edward Grey Institute of Field Ornithology, Oxford University, England, 3:30 p.m. Friday, April 18, 202 Uris Hall.

Remote Sensing: Multispectral Video Imaging — A New Tool for Remote Sensing," Jaroslav Vlcek, University of Toronto, Canada, 4:30 p.m. Wednesday, April 16, 110 Hollister.

South Asia Program: "Allurement Under Wraps; Women's Self-Images in Rajasthani Folk Songs," Festival of India Seminar by Ann Gold, visiting professor of anthropology, 12:15 p.m. Thursday, April 17, 201 A. D. White House.

Theoretical and Applied Mechanics: "Gravity Waves and the 4D Lorentz Equation," professor of aerospace engineering, Minnesota, 4:30 p.m. Wednesday, April 16, 205 Thurston.

Vegetable Crops: "Heat Tolerance and Computer Simulation of Physiological Growth of the Potato," Rick Snyder, grad student, vegetable crops, 4:30 p.m. Thursday, April 17, 404 Plant Science.

PEOPLE

Senior NASA Scientist at Ames Center to Give Sears Lecture



JONES

Robert T. Jones, senior scientist at NASA's Ames Research Center and a pioneer in the field of aeronautics, will deliver the second annual W.R. Sears Distinguished Lecture Thursday, April 17. His topic will be "Have We Reached the Peak of Airplane Efficiency?"

Sponsored by the College of Engineering and the Graduate Field of Aerospace Engineering, the lecture is scheduled for 4:30 p.m. in room B-17 of Upton Hall and is open to the public at no charge.

Jones' involvement in the aeronautics industry dates to the 1920s. He is best known as the developer of the swept-back wing, and is the author of several books on the topic, most notably "High Speed Wing Theory." The American Physical Society, which will award Jones its 1986 Fluid Dynamics Prize, cites his work as changing "both the shape

of aircraft and the content of aerodynamic science."

Jones is a Fellow of the American Academy of Arts and Sciences, and a member of both the National Academy of Engineering and the National Academy of Sciences. He has been honored with the Langley Medal of the Smithsonian Institution for his contributions to theoretical aerodynamics, the Excalibur Award of the U.S. Congress, and the President's Medal for distinguished federal civilian service.

The lectureship honors William R. Sears, the founding director of Cornell's Graduate School of Aeronautical Engineering and the Center for Applied Mathematics. Sears, a central figure in aviation history, was the chief engineer of Northrop Corp. before joining the Cornell faculty in 1946. From 1946 to 1973, he directed the Cornell's program in aeronautical (later aerospace) engineering. Sears is a professor emeritus at the University of Arizona.

The first Sears Lecture was delivered in 1985 by Itiro Tani, Japan's foremost expert in aerodynamics.

Historians Elect Salvatore Fellow

Cornell labor historian Nicholas A. Salvatore has been elected a fellow of the Society of American Historians.

Salvatore, an associate professor in the School of Industrial and Labor Relations, was inducted by the society at its meeting April 9 in New York City.

The society, founded in 1939, "promotes literary distinction and scholarly merit in his-

torical writing." Membership is limited to 200 "authors who have written at least one book of distinction," according to the society.

Salvatore has won two awards for his biography of labor leader Eugene V. Debs — the Bancroft Prize (1983) and the John H. Dunning Prize in United States History (1984).

Arts Sophomore Robin Rosenbaum Elected as New Student Trustee

Robin Rosenbaum, a sophomore in the College of Arts and Sciences, has been elected to the university's Board of Trustees. She succeeds Kenneth Williams, Law '88, effective July 1.



ROSENBAUM

Rosenbaum was one of nine candidates in last month's balloting, in which a record 28 percent of the student body voted, according to Cristen Gardner, administrative supervisor of the Office of Assemblies.

Also, 20 students have been elected to the Student Assembly. They are Eric Bernard, Jeffrey Bolton, Steven Breslow, David Brown, Vincent DellaValle, Carol Dufresne, KENZA Elmandjra, William Falcheck, Juan Ferguson, Henry Granison, Roger Hill, Kevin Holcomb, Aaron Jones, Simon U. Lee, Mary Nolan, Hillary Rossman, Alan Rozen,

Kevin M. Smith, Rob Sturm, and Shelley Wallace.

An organizational meeting of the Student Assembly is scheduled for Wednesday, April 16.

Results of voting for members of the Employee Assembly, which concluded April 7, will be announced later this month.

Several referenda were voted on by students last month. In brief, the results were as follows: do not abolish the office of assistant dean of students for fraternities and sororities; the department of public safety must report publicly on incidents involving the department; the university should implement Asian-American and Hispanic studies programs, and strengthen the existing African and Native-American studies program; the university should not set different amounts of tuition levels in the endowed colleges; the university should discontinue the attractiveness rating system for distributing financial aid; and the university should sell all of its holdings in corporations that conduct business in South Africa.

Human Ecology Promotes Two

John C. Condry, Jr. and William M. K. Trochim, both in the College of Human Ecology, have received promotions.

Condry, now professor of human development and family studies, is an expert on the effects of television on children, gender identity, social behavior, and the nature of socialization. A member of the Cornell faculty since 1966, Condry focuses his research on gender identity, and the effects and uses

of television and computer technology on child development.

Trochim has been elected associate professor of human service studies. A member of the Cornell faculty since 1980, he is an expert on social research methodology and evaluation research.

Lucey-Agronomy

Robert F. Lucey has been reappointed chairman of the Department of Agronomy in the College of Agriculture and Life Sciences through Dec. 31, 1986. He has held the position since 1975.

A member of the Cornell faculty since 1961, Lucey is noted for his leadership in upgrading agricultural productivity in six northern New York counties — Clinton, Essex, Franklin, Jefferson, Lewis, and St. Lawrence.

Morgan to Scotland

Robert R. Morgan, professor of English, will be spending part of this summer living and working in Hawthornden, Scotland, in a castle once owned by William Drummond, the Cavalier poet. He is one of six writers selected for a fellowship to live and work in the castle. He plans to read proofs on his new book of poems, "At the Edge of the Orchard Country," and work on another book and short stories.

Landscape Architecture Students Honored

Five students from Cornell University's Landscape Architecture Program will be honored Saturday, for academic achievement at a dinner at the Ithaca Sheraton Inn.

The Cornell students will receive their awards from the American Society of Landscape Architects (ASLA). Each year, ASLA awards certificates to students in accredited landscape architecture schools in recognition for academic excellence.

The Cornell students to be honored and their awards are Mark H. Bayer of Rochester, certificate of honor for graduate studies; Diane M. Devore of Redding Ridge, Conn., certificate of merit for graduate studies; Dorothy R. Carter of Quogue, certificate of

honor for undergraduate studies; C. Stephanie Lin of Taiwan, certificate of honor for undergraduate studies; and Dean J.R. Pearson of Webster, certificate of merit for undergraduate studies.

Recipients of honor certificates are eligible to submit their work to the ASLA National Student Design Competition, to be held during the ASLA national conference in San Francisco in October.

Members of the Cornell faculty as well as members of the New York Upstate Chapter of the ASLA will attend the banquet.

Holloway, Gilman, Esman, Campbell Direct Programs

Thomas H. Holloway, Sander L. Gilman, Milton J. Esman, and Donald Campbell have been named to direct programs here.

Holloway has been named to a second term as director of the Latin American Studies Program through June 1988. An associate professor of Latin American history in the College of Arts and Sciences, Holloway is a specialist in the social history of Brazil.

Gilman is serving as director of the Western Societies Program in the Center for International Studies through June 1986. He is a professor of German literature and humane studies, Near Eastern studies, and psychiatry (historical studies), the latter at Cornell University Medical College.

Esman is serving as director of the rural development committee at the Center for International Studies through June 1986. Esman, a professor of government and the John S. Knight Professor of International Studies, served as director of the center from 1969 to 1983.

Campbell has been reappointed director of operations for the Arecibo Observatory for a five-year term through Aug. 1990. The observatory is part of the National Astronomy and Ionosphere Center in Arecibo, Puerto Rico, and is operated by the Department of Astronomy in the College of Arts and Sciences under a contract with the National Science Foundation.

Campbell's research is in the use of large earth-based radar systems for planetary studies.

Sears New Director Of Mastitis Program

Dr. Philip Michael Sears is the new director of the New York State Mastitis Control Program with responsibility for the daily operation of one of the largest and most advanced mastitis control programs in the country, including milk quality control, and preventive measures to assist the dairymen in the control of mastitis.



SEARS

Applied field research is also conducted in cooperation with industry, regulatory agencies, and specialists from the College of Veterinary Medicine and the College of Agriculture and Life Sciences. In addition, Sears will bring the practical side of mastitis control to the classroom with lectures and presentations to extension agents and college students.

The program, which has been in existence for some 30 years, includes five field laboratories in New York State managed by veterinarians, their support field and laboratory technicians. In addition to mastitis control, the program deals with milk quality control and preventive measures to assist herdsmen in the control of mastitis.

Two Veterinary Profs Emeritus

Robert W. Kirk and Julius Fabricant have been awarded professor emeritus status in the College of Veterinary Medicine.

Kirk, in veterinary medicine, joined the Cornell faculty in 1952 and was elected professor in 1957. From 1969 to 1977, he served as director of small animal medicine and surgery and as chairman of the Department of Clinical Sciences. In 1983, he was appointed director of the veterinary college's teaching hospital.

Fabricant, in avian medicine, joined the faculty in 1946 and was elected professor in 1960. He served as acting chairman of the

Department of Avian and Aquatic Animal Medicine from 1983 to 1984. His teaching and research have focused on the infectious diseases of poultry, in particular diseases caused by viruses and mycoplasmas (which lie between viruses and bacteria in complexity).

Four Elected Associate Professors with Tenure

H. Jay Harvey, Victor Nee, James M. Cordes, and Maureen O'Hara have been elected associate professors with tenure here.

Harvey is associate professor of surgery in the College of Veterinary Medicine. He is a specialist in soft tissue surgery and surgical research on tumors.

Nee is associate professor of sociology in the College of Arts and Sciences. He is a specialist in Chinese sociological studies and is the co-author or co-editor of five books and a number of articles. He is writing another book titled, "Village Socialism: The Limits of Cooperation in Rural China."

Cordes is associate professor of astronomy in the College of Arts and Sciences. He studies pulsars, which are rapidly rotating neutron stars, and the mechanisms by which pulsars emit light. He also studies turbulence in the interstellar medium, which is the tenuous gas between the stars in our galaxy.

O'Hara is associate professor of finance in the Johnson Graduate School of Management. A member of the faculty since 1979, O'Hara studies the structure and behavior of financial institutions and securities markets.

Book in 4th Edition

Norman N. Potter, professor of food science in the College of Agriculture and Life Sciences has had the fourth edition of his book, "Food Science", published by the AVI Publishing Co. Since its first edition in 1968, this book has become a leading text in universities and colleges throughout the world. Potter has been a member of the Cornell faculty since 1966.

Music Librarian Elected

Lenore Coral, librarian of the Cornell University Music Library, has been elected vice president—president-elect of the Music Library Association. She will assume the presidency in February 1987. Coral, also a senior lecturer in the Department of Music since 1982, focuses her research on music bibliography of the 17th and 18th centuries.

Art of Bonsai to Be Demonstrated

To encourage appreciation of the fascinating and timeless art of bonsai, Cornell Plantations will present "Bonsai for Beginners" on Saturday, April 12, from 11 a.m. to 3 p.m., in cooperation with the Finger Lakes Bonsai Society.

During the event, members of the society will demonstrate techniques used in creating and maintaining bonsai, the art of growing potted plants in miniature form, and will be available for questions from visitors. Many selected bonsai will be on display, and informative handouts will be available at no charge. Started bonsai and related materials will be offered for sale by FLBS members. The event, which is free and open to the

public will be held at Plantations' headquarters building, adjacent to the Robison York State Herb Garden, off Plantations Road via Judd Falls Road and Route 366.

For those seeking further experience and instruction, a one-day workshop to "Create Your Own Bonsai" will be conducted at Cornell Plantations on Wednesday, April 23, from 9:30 a.m. to 4:30 p.m. by William Valavanis, director of the International Bonsai Arboretum in Rochester. Enrollment is limited, and a fee will be charged for the workshop. For more information, call 255-3020 and request the Spring 1986 course brochure.

CONSTRUCTION UPDATE

Cornell Undergoing \$500 Million Facelift

Cornell has embarked on a \$500 million construction program to update existing buildings and provide new laboratories, classrooms, and other modern facilities.

"If Cornell is to continue to be at the front rank of the world's universities, we need to provide our faculty and students with modern facilities for the most sophisticated research and instruction," said Robert M. Matyas, vice president for facilities and business operations.

"We've got to build for the present and for the future as Cornell prepares for the 21st century," Matyas said. He added that Cornell's facilities problems are not unique. Facilities needs of the nation's universities

have been estimated by various sources to range as high as \$30 billion. The National Science Foundation, at the request of Congress, is collecting nationwide data on

tern that started shortly after World War II. This pattern has hit peaks on several occasions, during the mid 1950s and the late 1960s.

We've got to build for the present and for the future as Cornell prepares for the 21st century.

-Robert M. Matyas

the need for replacing, upgrading, and constructing new research facilities at colleges and universities in the United States.

Matyas said Cornell's current spurt in construction is a continuation of a cyclical pat-

"Since World War II, Cornell has evolved as one of the world's leading teaching and research institutions," Matyas said.

According to National Science Foundation reports, Cornell is one of the top five

universities in research and development spending.

"Cornell's commitment to undergraduate education is every bit as strong as our emphasis on research," Matyas said. "A major focus of the new construction is up-to-date classroom, research, and library facilities to keep pace with demands from Cornell's intense combination of teaching and research."

Computers and other high technology integral to teaching and research have created tremendous pressures on the university to renovate and add new buildings in order to

Continued on Page 10



Photographs by Charles Harrington



HARD AT WORK: Bricklayer Bob Cowen (above left) confers with his fellow workers; a beam is balanced (above) as a carpenter makes his way across scaffolding rising above the spring mud and Bruce Monro (left) sets brackets in place to support floor joists.

Crumbling Academe is a National Problem

Time Magazine sounded a national alarm in its March 17, 1980, issue alerting readers to a growing crisis in higher education.

The headline read, "Dilapidation in Academe: Under all that ivy, costly college halls and walls are crumbling."

The full-page story provided a litany of examples, including bricks falling from a university library in Massachusetts, fans running 14 hours a day to keep a transformer at a California school from overheating, and rags tied around columns in an Ivy League building to funnel water leading from the roof into buckets.

Six years later, the Association of Physical Plant Administrators of Universities and Colleges is seeking funds for a nationwide survey to demonstrate just how bad the problem is.

"I'm sure it is even worse today," says Walter Schaw, executive director of the plant administrators organization, which represents some 1,300 institutions. Schaw hopes the research can start by this fall.

"Little has been done to assess the extent of the problem and more importantly to alert the public — and believe it or not, some trustees don't know that the problem even exists," Schaw said, speaking from his office in Alexandria, VA.

Harvey H. Kaiser, author of the book "Crumbling Academe" (1984), says nothing short of a national task force is required to bring together existing information on the deteriorating condition of academic facilities across the country.

"The problem needs the attention of corporations, foundations, and government. Policy makers seem to pay attention when a distinguished group, whether it's the Carnegie Commission, a presidential panel, or whatever, establishes that a problem exists. Such a task force would stir some action," says Kaiser.

The problem, however, is beginning to draw increased attention from the federal government. At the request of Congress this year, the National Science Foundation is developing a nationwide data base on the need for replacing, upgrading, and constructing new research facilities at the nation's universities.

According to William Stewart, director of the NSF's Division of Science Resources Studies, his group must report its first findings to Congress in September of this year and every two years thereafter.

To date, there has been only anecdotal information based on the testimony of various university presidents, but no hard facts measuring the extent of the problem nationwide, Stewart said.

Recognized as perhaps the leading authority on the issue, Kaiser, vice president for facilities administration at Syracuse University, says in his book, published by the Association of Governing Boards of Universities and Colleges:

"Part of the problem is due to the age of higher education's physical plant: 25 percent was built before World War II; a similar

Continued from Page 10

Paying the Bill

Construction Funds Come from Several Sources

How does Cornell University pay for multi-million-dollar construction on campus?

Most funding for construction and renovation in the university's endowed units comes from three sources:

- private gifts and grants;
- operating revenues, including self-supporting units such as housing, dining, utilities, the campus store, student unions, transportation and parking, and computer services;
- tax-exempt bonds issued through the New York State Dormitory Authority.

As a result of the recent surge in construction at the university, Cornell has issued bonds twice in the past two years — \$100 million in May 1984 and \$100 million in November 1985 — according to Mary Jo Maydew, assistant university treasurer.

Only about \$55 million of the money from the bond issues has been spent to date. The

remainder is held by the Dormitory Authority and becomes available as money is needed for projects.

Construction in progress is expected to hit nearly \$200 million by the end of 1986. During 1984-85, construction projects totaled \$33.6 million.

As a result of recent bond issues, the university's total outstanding debt was \$225.5 million on Dec. 31, 1985, the most recent accounting. That's a 91 percent increase above the \$118.3 million at the end of 1984, Maydew said.

The debt service, an annual payment of interest and principal, is paid with revenues from sales and services in the enterprise and service operations on campus, with gifts and grants, and — in a few cases — with funds from overhead costs charged against private and government supported research on campus, and other general purpose funds, such

as tuition and fees, and investment income.

In 1984-85, total debt service paid amounted to \$11.5 million. For the current fiscal year, it is expected to be about \$16.5 million.

Maydew said that as of the end of calendar-year 1985, some 70 percent of the debt service was paid with revenues from sales and services; 19 percent with gifts; 4 percent with overhead charges, known as indirect cost recoveries; and 7 percent from general purpose funds — with about half that amount raised through tuition.

At the state-supported units, new construction, renovations, and general maintenance are paid for with appropriations from the State University of New York's annual budget or with bonds issued by the State University Construction Fund through the

Continued on Page 10

CONSTRUCTION UPDATE

GOLDWIN SMITH & ROCKEFELLER HALLS (W '79 - S '88; \$8,500,000; Gifts)

A program of extensive renovation of classroom, office, lecture room, and laboratory space, and general upgrading of the two buildings — both built in 1904 — in which 40 percent of Cornell's undergraduate students attend classes. The work has been scheduled to permit continued use of the buildings.

CLARK HALL (F '85 - F '86; \$2,300,000; Dormitory Authority)

This project involves extensive renovating and updating of ventilation for the building, which is predominantly laboratory and office space. Some maintenance and energy conservation measures are included in the project.

HOTEL SCHOOL (S '86 - S '88; \$25,000,000; Gifts, Revenues)

Two stories will be added to Statler Inn, increasing guest rooms from 50 to 80, possibly bringing the total as high 130. Extensive renovation to the Rathskeller and all lounge and public spaces includes adding new space at ground level toward East Avenue and Uris Hall. This will include a 100 seat, high-tech conference center with meeting rooms. Also, major renovations to the school areas of Statler Hall will involve the addition of new space on portions of the first, second, and third levels of the structure facing East Avenue.

UNIVERSITY HALLS (S '86 - F '89; \$18,255,000; Dormitory Authority)

This project calls for extensive renovations of the six University Hall dormitories on West Campus, to be done in phases over a three-year period. Each building will be closed down successively for a half year while the work is completed. Improvements will include new lighting, paint, and carpet; new toilet facilities; faculty-in-residence apartments; and areas for fitness activities, music, and typing.

ENGINEERING MASTER PLAN (\$100,000,000; Gifts)

Planning, still in the preliminary stages, calls for extensive renovation and updating of buildings and facilities in the Engineering College with the possible addition of new structures. The program would include new facilities for the Theory Center, the national supercomputer center at Cornell.

LAW SCHOOL (Sp '87 - S '89; \$20,000,000; Gifts)

Preliminary plans call for a multi-level addition at the south end of Myron Taylor Hall, providing additional library, faculty, and classroom space. The program also includes renovation of existing classroom space.

PERFORMING ARTS CENTER (W '86 - F '88; \$20,000,000; Gifts)

The 96,000 square foot complex in Collegetown will house several performing areas, teaching and office spaces, and scene and costume shops. Included is a 500-seat "proscenium" theater for student productions and performances by visiting artists, a "flexible design" theater to accommodate audiences of 150 to 180, a dance studio with room for an audience of 150, and a smaller laboratory theater for teaching undergraduate classes in acting, directing, and design.

UPSON HALL (W '86 - Spr '87; \$5,400,000; Gifts)

The two-story addition and renovation will provide new laboratories, a library, and administrative space for the computer science department. About 36,000 square feet of new space will be provided and some 4,800 square feet of existing space will be renovated.

BARTON HALL (Sp '87 - F '87; \$1,000,000; Gifts)

A new floor and state-of-the-art flat track will be installed, with the infield area used for basketball, volleyball, and badminton. Barton Hall still will be available for other activities, including registration, concerts, graduation, examinations, and military drills.

BARTON HALL (S '87 - Sp '88; \$2,000,000; State University Construction Fund)

Ventilation in the building will be upgraded to make it more energy efficient.

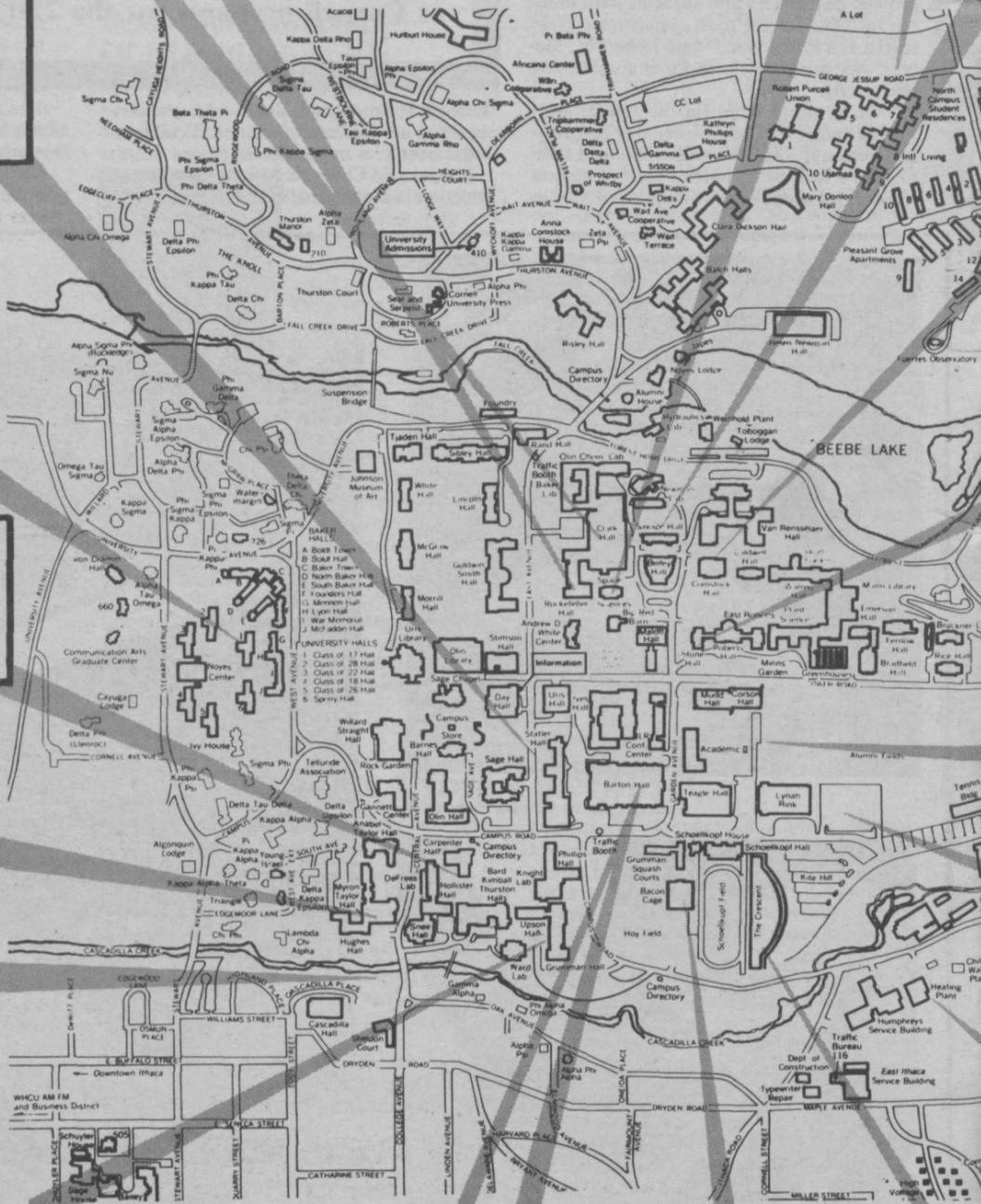
PARKING GARAGE (W '86 - F '86; \$9,145,000; Dormitory Authority)

The four-level structure adjacent to the west-side of Schoellkopf Field will provide parking space for 700 cars near central campus. The project also includes a new press box, new lighting, landscaping, and renovation of the west stands at Schoellkopf.

TOWNHOUSES (\$8,972,000; Gifts) The 310-building project includes a room apartment building as well as faculty housing.

SPACE SCIENCES (S '86 - F '87; \$3,700,000; Gifts, Dormitory Authority)

Two-stories will be added to the existing four-story building, home of the Department of Astronomy. The addition will provide 16,600 square feet of space for computers, laboratories, and offices, an increase of about 45 percent over existing space.



Got a Problem with Dust, Noise or Parking?

Dust, noise, parking problems, and other inconveniences on campus during major construction projects over the next five years won't be eliminated, but they may be alleviated thanks to a network of building facility coordinators.

Seventeen coordinators in units that might experience problems will help the university foresee difficulties and ways to avoid them.

The unit coordinators, working with a team of administrators, are:

- Agriculture & Life Sciences, John Finamore, 255-3211, or Carol Ann Holland, 255-

- 3080;
- Architecture, Art, and Planning, Michael Whalen, 255-4377;
- Arts and Sciences, Jack Lowe, 255-2961;
- Athletics, Patricia Graham, 255-1321;
- Biological Sciences, Harry Stinson, 255-5043, 255-4101;
- Construction and Contracts Management, Ruben Rogers, 255-3500;
- Engineering, Gilbert Rankin, 255-6090;
- Hotel Administration, Allan Lentini, 255-8895;
- Human Ecology, Bernard Ryan, 255-

- 0893;
- Industrial and Laboratory, Eastman, 255-6562;
- Johnson Graduate Program, Nancy Culligan;
- Law School, Deborah;
- Libraries, John H.
- Maintenance and Safety, Philip Cox, 255-2381;
- National Astronomy Center, Gene Bartell;
- Nuclear Studies, D. 255-4158

CONSTRUCTION UPDATE

This four-page special report on construction at Cornell University was written by Martin B. Stiles and designed by James McGrath Morris.

APARTMENTS (W '86 - F '86; Dormitory Authority)
 A new complex located on North Campus off Jessup
 will consist of 77 two-bedroom apartments and two three-bed-
 room apartments for sophomores, juniors, and seniors, as
 well as faculty-in-residence and residence life advisors.

SAVAGE HALL (S '86 - W '88; \$8,400,000; Gifts, Dormi-
 tory Authority)
 Renovation of the existing building and a 35,000 square feet
 five-story addition at the northeast end of the building will
 provide laboratory and research space for the Division of Nu-
 tritional Sciences.

COMPUTING/COMMUNICATIONS CENTER (F '85 -
 W '87; \$8,000,000; Dormitory Authority, Gifts)
 Construction of a three-story addition to the old Comstock
 Hall on the Ag Quad, as well as extensive renovations to the
 existing building, to accommodate offices and hardware for
 the university's new telecommunication system and computer
 services.

ACADEMIC I (S '86; \$14,000,000; SUNY, Dormitory Au-
 thority)
 The four-story complex will include space for three academ-
 ic programs and for administrative units of the College of Agri-
 culture and Life Sciences. Also planned are a 600-seat au-
 ditorium and a 400-seat dining facility. One building will house
 the administrative units of the college and Cornell Cooper-
 ative Extension. A second building, to be joined with the first
 at the fourth floor, will house the departments of education
 and communication arts, and the program in landscape archi-
 tecture.

VETERINARY COLLEGE (\$67,000,000; State)
 The college has completed a facilities master plan in re-
 sponse to the urgent need for additional space and 'state-of-
 art facilities' to accomplish the college's mission of teaching,
 research, and public service.

BIOTECHNOLOGY (F '86 - F '88; \$32,500,000; State,
 Dormitory Authority)
 The five-story, 100,000 square-foot facility for research in
 molecular and cellular sciences will be located in the area
 south of Corson-Mudd Halls and east of the new Comstock
 Hall. The building will include laboratories and offices and
 provide a central facility on campus for biotechnology.

FIELD HOUSE (W '87 - F '87; \$15,500,000; Gifts)
 The 110,000 square foot facility will include a multi-purpose
 5,000 seat basketball arena that can be converted to three full-
 size basketball courts when not used for interscholastic games.
 There will be locker space and support areas for the field
 house and the alumni fields. There also will be a multi-purpose
 enclosed activity area 180-by-180 feet, suitable for limited
 practice by the baseball and lacrosse teams and other sports.

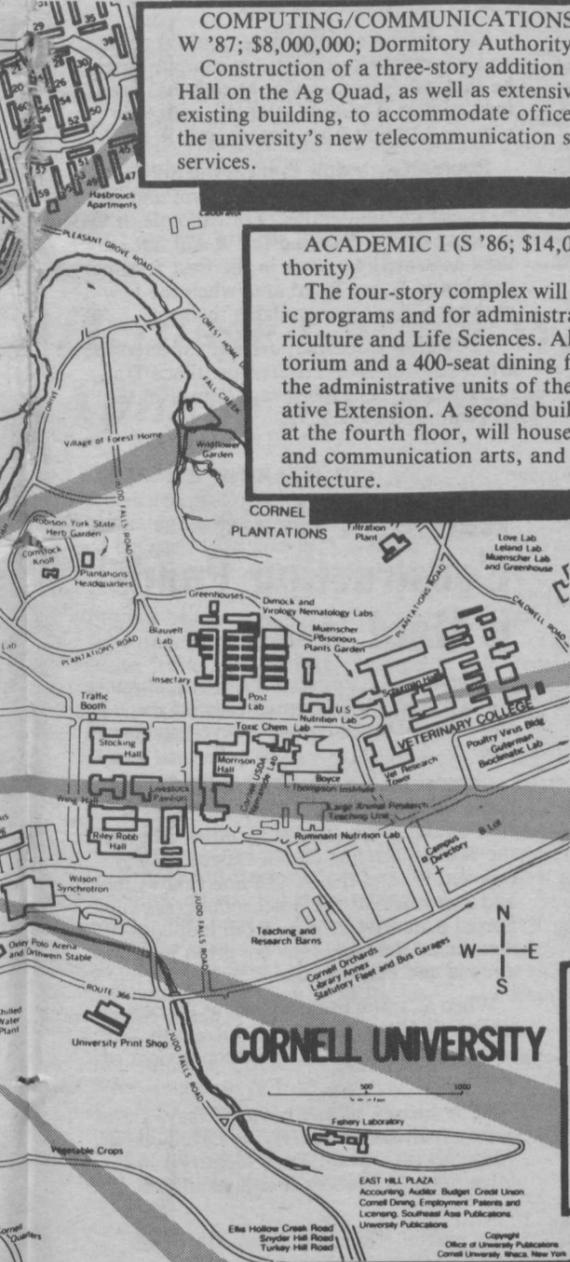
HEATING PLANT (W '86 - W '86; \$5,400,000; federal
 government, Dormitory Authority)
 Steam boilers at the heating plant on route 366 will be
 adapted to generate electricity as a by-product of steam pro-
 duced for heating.

CRESCENT RENOVATION (W '86 - S '86; \$960,000;
 Gifts)
 The entire concrete surface of the seating area of the Cres-
 cent is being repaired and resurfaced, including a weather-
 proof polyurethane coating to prevent water seepage into the
 concrete structure. The work includes removal of all existing
 seating and replacement with new brackets and aluminum
 bench seating.

Reading the Map

Each box contains the name of current, scheduled
 and proposed major construction projects on the
 Cornell campus.

The material enclosed in parentheses contains
 starting and finishing construction dates and funding
 sources.



Other Projects

PARKING REHABILITATION (Sp '86 -
 F '87; \$4,100,000; Dormitory Authority)

The program includes the addition of 400
 new on-campus parking spaces — exclusive
 of the parking garage — to replace parking
 spaces lost because of various new buildings
 being constructed on campus. This will give
 the campus a net gain of 500 parking spaces,
 including the parking garage, by fall 1987.
 The program also will replace and relocate
 traffic and information booths and institute
 programs to ease both traffic and pedestrian
 movement on campus.

EQUITATION CENTER (S '86 - W '86;
 \$1,500,000; Gifts)

A new structure covering a 250-by-90-foot
 riding arena will be built south of Hanshaw
 Road near the woods immediately east of the
 original barns of the equine research facility.
 The new building will include office space
 and stables and is the first phase of a larger
 center.

SAGE HALL (S'87-S'88; Gifts)

The proposed project, still in the planning
 stages, would convert the building, which is
 now primarily and residence for graduate
 students, into a faculty office and classroom
 building for the departments of mathematics
 (now in White Hall) and applied mathemat-
 ics (now in Olin Hall). The dining facility
 and Graduate School offices currently in the
 building would remain.

ATHLETIC FACILITIES (Phase II)
 (\$20,000,000; Gifts)

Future plans call for expenditure of \$20
 million for other projects including a new
 swimming complex, upgrading of Alumni
 field — possibly with artificial turf — an ad-
 dition to Grumman Squash Courts, and a
 six-court bubble tennis facility.

JOHNSON GRADUATE SCHOOL
 (Gifts)

This project is in the exploratory stage, ex-
 amining alternatives to solving the crowded
 conditions at Malott Hall.

RESIDENTIAL LEARNING UNITS

Student housing designed to integrate resi-
 dential living with academic programs in-
 cluding seminars and lectures and day-to-day
 interaction with faculty.

Construction Schedule

Major construction projects under way:
 Parking garage/athletic facilities
 Crescent renovation Townhouse Apartments
 Upson Hall
 Performing Arts Center
 Heating Plant cogeneration
 Clark Hall renovations
 Martha Van Rensselaer Hall renovations
 phase 2
 Goldwin Smith/Rockefeller halls renova-
 tions

subtotal \$63,000,000

Projects starting this year:
 Transportation capital improvements
 Equitation Center phase 1
 Hotel School expansion and renovation
 Biotechnology Research Center
 University Halls renovation
 Old Comstock Hall renovation
 Academic I
 Savage Hall expansion
 Space Sciences addition

subtotal \$115,000,000
 1986 total \$178,000,000

Projects scheduled to start during 1987:
 Law School expansion
 Barton Hall (new track and floor)
 Field House

subtotal \$36,500,000

**Projects proposed to start within five
 years:**
 Engineering College renovation/expansion
 (including supercomputing center)
 Veterinary College expansion/renovation
 Mann Library expansion/renovation
 ILR School library expansion/renovation
 State campus rehabilitation/update (35 pro-
 jects)
 Athletic Facilities (Phase II)

subtotal \$264,000,000
 Grand Total \$478,500,000

**Other proposed projects without esti-
 mated costs:**
 Residential Learning Unit
 New graduate-student housing
 Sage Hall renovation
 Johnson Graduate School expansion
 Alumni Center

Parking, Here's Who You Should Call

Labor Relations, David
 School of Manage-
 ment, 255-5037;
 Deborah Barley, 255-3527;
 Hoffman, 255-3569;
 and Service Operations,
 255-3511;
 and Ionosphere
 Building, 255-0607;
 Dale Held, 255-3733 or

- Nutritional Sciences, Ruth Constantine, 255-5411;
- Residence Life, Charles Jankey, 255-2308;
- Statutory Facilities, Herbert Pallesen, 255-7784;
- Veterinary Medicine, William Anderson, 253-3760;

In addition, people with questions or com-
 plaints about construction-related problems,
 such as noise and changes in on-campus
 parking and traffic patterns, can call a 24-
 hour telephone "hotline" for help.

The number, 255-4394, links the caller to
 the office of Robert M. Matyas, vice presi-
 dent for facilities and business operations.
 All questions and complaints will be referred
 to Matyas or one of three key people on his
 staff — Harold D. Craft Jr., associate vice
 president for facilities and business opera-
 tions; Donna M. Raynsford, director of cap-
 ital projects; and David G. Field, director of
 business operations.

Calls made when the office is closed will
 be recorded by an answering machine.

Additional Parking Spaces on the Way

As many as 800 net additional parking spaces will be available in the area of central campus by the start of the fall term.

This increase takes place despite the gradual elimination of about 650 parking spaces resulting from the extensive building program under way throughout the area, according to William E. Wendt, director of transportation services.

Seven hundred parking spaces will be added at the four-level parking garage under construction at the edge of Hoy Field adjacent to the west stands of Schoellkopf Field.

Another 300 spaces will be added this summer in a two-bay parking lot to be built just off Tower Road along the north side of Upper Alumni Field, from Corson-Mudd Hall to Wing Drive. The lot will be 60-feet wide and will not disturb the trees or the use of the athletic fields, Wendt said.

Another 150 spaces will be added by redesigning existing areas and adding spaces at various locations throughout campus, Wendt said.

The new spaces and other improvements in the university-wide transportation circulation and parking plan will cost a total of \$9.4 million. This figure includes parking improvements made last year, and the parking garage and other traffic and parking improvements now in progress and set to begin later.

The improvements are part of a coordinated and systematic plan to meet present and future needs of parking and transportation on campus, Wendt said.

Additional spaces are needed particularly

at this time, he said, as a means of alleviating the temporary disruptions in traffic flow and parking caused by concurrent construction projects.

Temporary fenced-in areas for construction worker parking and for unloading and storage of materials have been and will be established at central campus construction sites, Wendt said. These areas are legally the property of the builders during construction.

According to construction contracts, all unauthorized vehicles parked there day or night will be towed by the university at the owner's expense, Wendt said.

The traffic and parking improvements aim at improving pedestrian and traffic safety and emphasizing the visual enhancement of the campus, he said. Particular attention is being given to pedestrian flow near construction areas.

The improvements are also integral to the long-range transportation master plan, Wendt said.

In addition to other physical changes, by fall, the campus will see new traffic and information booths, and a new system of allocating parking spaces to faculty, staff, and students. Wendt said a zone system for central campus parking spaces is in the final stage of development and will be instituted by the fall term.

In addition to allocating parking more efficiently, one advantage of the new system will be the ability to notify parking-permit holders of changes in the permit system for specific areas that may be affected by construction at particular times. This includes temporary rerouting of traffic because of ex-

cavations for utility service lines.

Under the new system, parking permit holders will be given all-day parking privileges in zones near their work areas — the arts quad, law, engineering, and ag quad, for example. These permits will be good for two hours of parking in campus locations other than the one assigned. "This is designed to assure mobility of faculty and staff who routinely move about this very large campus," Wendt said.

Details of the new zone system are still being refined with representatives of various constituencies on campus, he said. Wendt pointed out that the new parking garage will provide extensive additional parking near central campus for members of the Cornell community as well as visitors.

Other projects will provide 100 guest parking spaces south of Barton Hall along Garden Avenue for Statler Inn, and provide for landscape enhancement of the area and reconstruction of the intersections with Campus Road and Schoellkopf Drive.

Wendt said traffic booths will be located on Campus Road across from Carpenter Hall and on Campus Road near the Grumman Hall parking lot. This will provide greater control of central campus traffic. It also will cut off Campus Road to through-traffic from route 366 at the heating plant to Central Avenue and Stewart Avenue from 7:30 a.m. to 5 p.m. Monday through Friday.

Although this daytime campus by-pass will be lost, Forest Home Drive will be reopened by late summer, Wendt said. The reopening will provide campus by-pass traffic from University Avenue and Triphammer

Bridge onto Forest Home Drive to Plantations Road and Tower Road, eventually intersecting with route 366 in Varna and via Judd Falls and Caldwell roads.

The traffic and information booth on East Avenue at Triphammer Bridge will not be moved but will be replaced with a new building.

The upper campus booth on Tower Road will be located just west of Wing Drive. The drive, now one-way, will be reopened to two-way unrestricted traffic.

Temporary and permanent new parking will be provided in the area near Bailey Hall, where at least six building projects will be under way over the next few years, Wendt said. These include Academic I, and additions to Savage Hall and Space Sciences, and renovations to Martha Van Rensselaer, Clark, and Rockefeller halls.

The parking changes may result in route and schedule adjustments for campus buses, he said. Nighttime service already has been increased to 15-minute intervals until 9:30 p.m. and to half-hour service until 1 a.m.

Route and schedule changes will not be decided until just before the fall term and will be based on user studies. For example, it is anticipated that Parking Lot B will not be used as heavily by users in the East Avenue and lower Tower Road area when the new parking options are available, he said.

The changes, he said, are not expected to affect scheduling and routes for Ithaca Transit, Tomtran, and Northeast Transit buses on campus.

Facelift

Continued from Page 7

retain its leadership position, he said.

For example, the \$5.4 million Upson Hall renovation and two-story addition now under construction will provide new laboratories, a library, and administrative space for the Department of Computer Science. The department, widely regarded as one of the best in the nation, was established in 1965. Today, faculty in the department teach at least one computer science course to more than half of all Cornell undergraduates, Matyas said.

Snee Hall, completed in fall 1984 for the

Department of Geological Sciences at a cost of \$9.9 million, was built in response to the revolution in geological research, particularly in the areas of plate tectonics, earthquakes, and oil, Matyas said.

Among major classroom and research construction projects in the offing are the \$14 million Academic I building on the Ag Quad and a \$32.5 million biotechnology building to be erected behind the recently completed Comstock Hall. Originally identified as Academic II, Comstock provides 104,000 square feet of largely classroom and laboratory space for the College of Agriculture and Life Sciences.

Still in the planning stage are major renovations and additions to the College of Veterinary Medicine estimated at \$67 million, plus \$100 million to update and add new laboratories and related facilities for the Engineering College.

The construction program also is in response, he said, to other equally crucial requirements for the future success of Cornell. A Cornell education, he said, has to encompass the whole person — intellectually, physically, socially, culturally, and spiritually.

For this reason, Matyas said, the university's program includes the construction of a \$20 million performing arts center, \$48.5 million in upgraded and new athletic facilities, and \$20 million in new and renovated student housing designed to enhance the lives of students and faculty.

The 310-bed townhouse complex under

construction on North Campus is scheduled for completion by fall.

Providing student housing has been a case of "catch up" throughout the history of the university; the problem is a result of founding President Andrew D. White's idea that "the dormitory system is thoroughly undesirable."

Every Cornell president since White has fought hard to provide on-campus housing and to incorporate dormitory life as part of the educational experience, Matyas said. Currently, Cornell has enough beds for just under 50 percent of its undergraduate and graduate student body, the lowest percentage in the Ivy League.

While many students prefer to live off campus, particularly in their upper-class years, the university is committed to providing a residential collegiate atmosphere for students who wish it, Matyas said.

With these necessities for the achievement of the Cornell mission come the less obvious but none-the-less important support functions on campus that also must be updated and in some cases expanded, he said.

These include, he said, expanded parking facilities, traffic control, the newly installed telecommunications network, and things as mundane, though vital, as new electrical distribution, increased steam production and distribution, and a substantially expanded chilled water network.

Bill

Continued from Page 7

state's Housing Finance Authority.

This debt service is paid off by the state, according to Herbert R. Pallesen, coordinator of statutory facilities.

In some cases, construction costs are shared by the state and Cornell.

For example, the dining facility to be included in the state-financed Academic I classroom and administration building, planned for construction on the Ag Quad, will be paid for by Dining Services, one of the university's self-supporting operations.

The \$32.5 million biotechnology building will be paid for with a \$20 million outright appropriation from the New York State Legislature along with \$12.5 million from the proceeds of the university's 1985 bond issue.

The debt service on the \$12.5 million, according to Maydew, will be repaid with indirect cost recoveries from government and privately supported research.

In 1984-85, Cornell received a total of \$33.6 million from indirect cost recovery.

Raising Private Construction Funds is Hard Work

Responsibility for securing private support for construction at Cornell falls on the shoulders of the university's development office.

Current projects, such as the \$20 million performing arts center, the \$28.5 million first phase of the athletic facilities program, the \$20 million law school expansion and renovation, and the \$25 million renovation and expansion of the hotel school, are supported primarily by gifts from individuals. Significant amounts also are given by foundations and corporations.

When a capital project, such as the one for athletic facilities, goes public, it is only after years of preparation by the development office.

"The success of any project," says Carol O'Brien, director of university development, "depends on our ability to identify and involve potential donors in a meaningful way."

As part of this effort, Cornell's development office coordinates one of the strongest, most extensive nationwide networks of fund-raising volunteers of any major university in the country. More than 4,000 alumni assist in efforts ranging from reunion campaigns to capital projects. In addition, the university benefits from the active participation of the deans, faculty, and staff in all capital projects.

O'Brien says that with the high cost of construction these days, fewer benefactors are able to give an entire building to the university, as had been the case with virtually all buildings through the 1960s.

A study of the Ivy League, Stanford, and MIT made in 1981 by Cambridge Associates, a consulting firm, showed that the proportion of funds donated for buildings decreased from 26.8 percent in 1964-65 to 14.4 percent in 1978-79.

Last year, of the \$92 million raised in total private support to the university, \$12.8 million (about 14 percent) was for buildings and equipment.

"There is a growing trend," O'Brien says, "to support programs that donors feel touch the lives of people more directly than bricks and mortar. Financial aid for students is high on that list of priorities, an area in which we have increasingly focused our efforts."

"Our challenge," she adds, "is to demonstrate the need for new and renovated facilities to serve the people-oriented interests of donors."

Crumbling

Continued from Page 7

amount was added to the campus space inventories by 1960. Another component of the problem is that the large volume of construction in the 1950s and '60s typically was built at the lowest possible costs and with new building materials and systems. The result was a surge of construction with little concern for future maintenance, long-term quality, or energy conservation."

He says that since the financial crisis hit higher education in the early 1970s, "the most severely reduced expenditures have been those needed for repair and replacement of buildings and equipment."

Overshadowing the shortfalls in funding plant renewal and replacement, Kaiser says, is the obsolescence of equipment, particularly in the sciences.

"Technological advances make otherwise well functioning laboratories and equipment obsolete," he writes.

Both Kaiser and Schaw say there are isolated examples of institutions doing something about the problem referred to, in part, as "deferred maintenance," and recognized as a component of the nation's "decaying infrastructure."

One of the more dramatic examples took place last year, Schaw said, when the administration of the University of Washington went public and broadcast a series of television features showing the deterioration of university facilities, describing it as a \$100 million problem. The state legislature responded with a \$19 million appropriation for starters, he said.

Kaiser says his own institution, Syracuse, has spent \$200 million for deferred maintenance, replacement, and renewal over the past 12 years.

He said this year the University of Maryland presented a study to its state legislature covering critical plant maintenance estimated at more than \$500 million.

He said Cornell's "aggressive program places it in the forefront of those institutions responding to a problem that undoubtedly has reached crisis proportions from a national perspective."

First Amendment and Prayer: What Were Original Intentions?

"Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof;"

Leonard A. Leo, a junior at Cornell, has received a \$2,200 grant from the National Endowment for the Humanities to study questions arising from the Constitution's First Amendment clauses on religion.



LEO

Leo says he will try to determine the original intentions of the framers of the Constitution and how they relate to current issues such as "prayer in public schools, taxation of religious entities, and government intrusion into the activities of private religious institutions of higher learning." His topic is titled "The Free Exercise and Establishment of Religion Clauses of the Constitution: A Study of Intent."

He is one of 37 college students to receive the first awards in the NEH's new program for Bicentennial Younger Scholars. Grants also were made to 29 high school students in the same program, but for \$1,800.

The grants cover nine weeks of research and writing of papers this summer on the U.S. Constitution. The winners were selected from among 263 applicants nationwide. Each award includes \$400 for a teacher or professor serving as advisor to the student.

"This program was created to help students explore the meaning of constitutional government and to share their findings with all Americans," according to John Agresto, acting chairman of the NEH program.

The 200th anniversary of the signing of the Constitution will be celebrated September 17, 1987.

Leo, a government major, applied for the grant last fall while working for the U.S. Senate Subcommittee on the Constitution, as part of his activities as a student in the Cornell in Washington Program.

His advisor for the research project, Jeremy A. Rabkin, assistant professor of government, said he was impressed with Leo's "past independent study and industry, his use of original sources, and his seriousness in trying to arrive at objective interpretations of materials."

Leo says he will do much of his work from his home in Spotswood, NJ, while utilizing the library facilities at Cornell, Rutgers, Princeton, and the Library of Congress.

State Grant Gives Impetus To Supercomputing Center

Construction of a new building for Cornell's national supercomputing center, with \$10 million from the state's 1986-87 capital budget, will provide an important synergism among supercomputer users from Cornell and other universities, and from around the nation, while complementing long-range building plans of the College of Engineering, according to university officials.

State lawmakers last week approved a \$10 million grant and loan package for the supercomputing center. The package includes a \$5 million, interest-free loan from the Urban Development Corp. The state money would go toward constructing and outfitting a proposed 100,000-square-foot facility on the Engineering Quadrangle.

"New York State's marvelous commitment of \$10 million to the national center for supercomputing at Cornell demonstrates to American industry and to the federal government, as well as to other states, that New York and Cornell will continue to provide national leadership in accelerating technology transfer and in fostering industrial interaction in sophisticated technologies between the state and its premier research university," Cornell President Frank Rhodes commented.

Cornell's supercomputer, the first to begin operation under the federal designation, is currently housed in the former Comstock Hall, now known as the Computing and Communications Center. Staff members also work out of Caldwell and Olin halls and the computer graphics center in Rand Hall.

"Although one of the ideas for the supercomputing center is to keep all users electronically connected, we need a central facility to house all the programs and activities that constitute the Theory Center," said Ravi Sudan, deputy director of the Center for Theory and Simulation in Science and Engineering.

Sudan, the IBM Professor of Engineering, said the new building would be designed to include the "nerve centers" of national and regional computer networks, as well as visiting scientists and engineers from other research universities, industry, and government. The building would also accommodate a proposed experimental supercomputing facility, the Advanced Graphics Program, administration for the national center, and also the production supercomputer facility, he said.

"We have many projects in the proposal stage," Sudan said. "If proposals are funded, we will have to hire more professional people. This funding for construction assures us that we can go ahead with our plans."

Calling the College of Engineering the "center of gravity" for supercomputing at Cornell, Dean William B. Streett said funding of the new structure will have a "strong, positive effect" on long-range plans to add new buildings for the College of Engineering and modernize existing ones.

Streett said, "This gives our master plan a big boost and will help in efforts to attract funds for new engineering buildings."

Preliminary plans by architects would place the supercomputer and Theory Center building on the open side of the engineering quadrangle, directly across Campus Road from Sage Hall, the future home of the Department of Mathematics, Streett noted. "Literally and figuratively, the area will be a hub for educational and research activities that will develop around large-scale computation in science and engineering."

President Rhodes paid tribute to the governor and the legislative leaders for their support. "We are particularly grateful to Governor Cuomo, Senate Majority Leader Warren Anderson, and Assembly Speaker Stanley Fink for their strong personal involvement in generating legislative support for this project," he said. "Credit also should be given to our local Senator, Stephen Riford, to Senator Kenneth LaValle, Chair of the Higher Education committee, to Assemblyman James Tallon of the Ways and Means Committee, and to our local Assemblyman Sam MacNeil."

Rhodes said, "We also owe a very special debt of gratitude to Congressman Sherwood 'Sherry' Boehlert, a ranking member of the United States Congress' Committee on Science and Technology and a national leader in the effort to establish a program of university-based national centers for supercomputing. Congressman Boehlert spoke personally with Governor Cuomo and with Senator Anderson about the need for New York State to make a positive commitment to enhance the supercomputing programs at Cornell as part of the national effort to strengthen high technology industries."

Literary Critic Booth To Discuss Narration

Literary critic Wayne Booth will discuss "The Ethics of Narration" in a public lecture at 4:30 p.m. Thursday, April 17, in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

Booth, Distinguished Service Professor at the University of Chicago, has long been concerned with reading as a moral activity. His talk, the seventh annual Paul Gottschalk Memorial Lecture, will be part of his new studies in ethical criticism.

Heritage Garden Will Feature Antique Fruits and Vegetables

By JAMES McGRATH MORRIS

The Cornell plot of land on which Nobel Prize-winning genetic research was conducted between 1928 and 1935 is being turned into a garden with historical perspective.

Work has begun on transforming the plot into a heritage garden in which a collection of antique fruits and vegetables will grow alongside their modern counterparts, according to Robert Cook, director of Cornell Plantations.

The land is situated in a bowl-shaped landscape, once called the corn hollow, adjacent to the Plantations headquarters.

"It was the center of the Golden Age of maize cytogenetics at Cornell, at a time when George Beadle and Barbara McClintock were learning the genetics that would later earn them Nobel prizes," Cook said.

Beadle, who earned his doctoral degree at Cornell in 1931, received the Nobel Prize in medicine and physiology in 1958 for his work on the chemistry of genes.

McClintock, who completed her undergraduate studies at Cornell in 1923 and earned her doctorate in 1927, received her Nobel in 1983, a belated recognition of her discovery that certain genetic elements can be moved from one location to another in the DNA chain, the master genetic code of heredity.

Also among those who worked the plot

were Rollins Emerson, Marcus Rhodes, and Charles Burham.

"Drying racks, an ancient X-ray machine and assorted instruments — testament to this history — lie inside a small garden shed beneath years of accumulated dust," Cook said.

The design of the Heritage Collection will recreate a formal, 19th century kitchen garden, Cook said. The main axis of the garden will display apple trees espaliered on horizontal wires with ornamental perennials and herbs planted in formal beds on either side. To each side will be beds for vegetables.

The older variety of vegetables that will be grown in the plots will include dark-skinned radishes, white carrots, yellow cherry tomatoes and black Mexican corn.

At one end of the axis, a small rose bower will enclose a bench. At the other end, lies McClintock's garden shed. At the center, a working pail pump that once belonged to Ezra Cornell will be connected to a cistern.

Supplemental Instruction Program Helps Students Improve Study Habits and Raise Their Grades

By ELAINE MAIN

A supplemental instruction program at Cornell is helping students improve their study habits and hike their grades.

Each semester, 500 students voluntarily attend extra sessions in biology, chemistry, mathematics, and physics at Cornell's Learning Skills Center.

The center gives another 150 high school graduates a jump on adjusting to college life by inviting them to Cornell for six weeks the summer before their first semester.

"Sometimes, freshmen have been great in high school without having to do much work along the way," says William Collins, director of the Learning Skills Center. "That approach isn't very useful at Cornell. Our pre-freshmen and supplementary instruction programs help students form new study habits."

Kathy Wiesenfeld, an LSC chemistry instructor, says her supplementary sessions "are successful. Many of the students who attend show significant improvement in their academic performance. Attendance at the sessions is high."

Students call the supplementary instruction "double-o sessions;" the course number 00 indicates that supplementary instruction carries no credit. Each course's session meets one evening a week. A lecturer answers questions, clarifies lectures, helps students learn how to prepare for exams, and shows students how to improve their learning through additional individual efforts.

The key to successful learning is active involvement, so "00 sessions" don't spoon-feed knowledge. They encourage students to work on their own and to develop effective study habits.

"Some students didn't expect that," says Lorraine Thompson, a sophomore from Brooklyn, NY, who is studying toward a ca-

reer in medical surgery. "They thought they'd be given all the answers."

The sessions last up to two hours, and students are expected to visit the instructor or tutor once a week.

"The one-on-one meetings put responsibility on the learner," says Collins. "The learner comes in with questions; the learner is the doer."

"Students waste a lot of time struggling with conceptual roadblocks," he adds. "Personal attention can help them work through roadblocks, and then they're off and running."

Two years ago, the center began a study service that uses a "graduate student approach to learning."

"I noticed that graduate students sit down together and hash out what they're learning in a course," Collins explains. "They review and question back and forth. They find out what others know and discover they know some things others don't. It's an active way to learn."

"Undergraduate students don't do that. They tend to be too competitive to share what they know or too unsure to admit what they don't know."

Now, 80 students are involved in one dozen study groups.

The Learning Skills Center began in 1973 as an outgrowth of the Committee on Special Educational Projects (COSEP), which sponsored support programs for minority students. In 1981, the center was opened to all students.

"We had always served anyone we could who came in," Collins said, "but now our services are advertised as university-wide."

The six-week summer program is limited to students who might have difficulty adjusting to Cornell's environment and curriculum. They include students with academic

or economic difficulties, students with a native language other than English, or students who live long distances from Ithaca.

Students participating in the summer program are recommended by one of Cornell's schools and colleges and are often members of minority groups. The six weeks are academically rigorous and include enrollment in a four-credit course.

The program works. It rarely has a dropout, and former participants are now Cornell alumni with careers in medicine, law, business, and engineering.

"The Learning Skills Center provides the environment and tools, and off they go!" Collins says.

Students feel the Center equips them with the study habits they need to succeed at Cornell.

"I used to go to lectures without reading the textbook first," Thompson says. "The center made me realize that, by reading the text before the lecture, I would understand better the lectures and take better notes."

Suk Man Chan, a freshman from New York City, relies on what the Center taught her about budgeting time.

"The Center provided semester calendars and weekly calendars and suggested how to preschedule studying for exams," Chan says.

Because she left Hong Kong only five years ago, she needed to improve her English skills. To do that, she attended Cornell's Pre-Freshman Summer Program and, during fall semester, worked independently in the Reading Lab and Writing Workshop. Now she handles the same English courses taken by students whose first language is English.

Elaine Main is assistant director of public information at Wartburg College, Waverly, Iowa. She is studying at Cornell this term.

Barton Blotter

Sixteen thefts involving losses of \$1,856 in cash and valuables were reported on campus for the period March 31 through April 6, according to the morning reports of the Department of Public Safety.

The thefts included an electrically powered construction drill and screw gun with power pack valued at \$407, taken from Clark Hall. In addition, two cameras worth a total of \$160 were reported taken from North Campus Dorm 5; a \$333 camera stolen from The Foundry; and stereo equipment worth \$419 taken from Lincoln Hall.

Five cash thefts amounting to \$134 were reported: \$40 from Willard Straight Hall, \$2 from Carpenter Hall, \$45 from Roberts Hall, \$37 from the game room of Robert Purcell Union, and \$10 from The Foundry.

Four persons were referred to the Judicial Administrator, one charged with harassment and four others with criminal mischief.

Patricia N. Schooley of 37 Devlin Road, Groton, was charged with petit larceny in the area of the College of Veterinary Medicine.

Public Safety is continuing its investigation into vandalism to a car belonging to a university administrator. The word "liar" was spray-painted last month on the car parked between Sage and Olin halls.



Number 14

Cornell University

University Personnel Services
Day Hall
Ithaca, New York 14853

Please Post

April 10, 1986

Please Note:

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

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

Employee Transfer Applications: Em-

ployees who wish to transfer to other jobs within the University should complete a separate Employee Transfer Application form for each position and submit the form(s) to Staffing Services. Individuals with official University layoff status are given preference in referrals.

Applicants: 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. Completed applications can be submitted through the mail to University Personnel Services, Staffing Services, 160 Day Hall, Ithaca, NY 14853.

This listing is also available on CUINFO, Cornell University's computerized information service. For further details on CUINFO, contact the Information

and Referral Center.*

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

Position: Director
Department: University Press

Description: Oversee financial affairs of the Press's operations; establish managerial policies for the professional and nonprofessional staff, and develop, in conjunction with a faculty Board of Editors, editorial policy for the Press, which has a staff of 50, publishes approximately 100 titles yearly, and has annual sales of approximately \$4 million.

Requirements: Bachelor's degree. Demonstrated successful experience in the editorial, managerial, and financial aspects of university publishing, or equivalent experience. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA026

Clerical

CURRENT EMPLOYEES should submit an employee transfer application, resume and cover letter. Also, if you are interested in a career development interview, please contact Esther Smith at 5-6874 to schedule an appointment.

OUTSIDE APPLICANTS should submit an application and resume. Applications and resumes typically remain active for three months; typing test scores remain on file for one year. The clerical section uses an automatic referral system whereby outside applicants are referred to positions for which they are considered qualified and competitive. Unless otherwise advertised, requests to be referred to a specific position will not be accepted. Applicants who are referred to a department for review will be contacted by the department if an interview is necessary.

NOTE: OPEN INTERVIEWING FOR OUTSIDE APPLICANTS interested in clerical positions will be conducted every Wednesday afternoon from 1:00 - 6:00pm. In our East Hill Plaza Employment Office. No appointment is necessary, however a short wait may be required. Call Esther Smith or Lauren Worsell if you have any questions.

*Position: Accounts Assistant, GR22
Department: Finance & Business Office - Payroll

Description: Assume responsibilities of lead payroll clerk. Assist in controlling document input and controlling the extension payroll function and adjustment systems.

Requirements: Associates degree or equivalent. Light typing. Minimum 2 years payroll office experience preferred.

Minimum Biweekly Starting Salary: \$524.21
Job Number: C144

*Position: Administrative Aide, GR22
Department: Engineering Dean's Office

Description: Provide administrative assistance to Graduate Engineering Programs Committee; day-to-day coordination for level Master of Engineering Programs. Coordination and promotion of MEng traineeships program to students and corporations.

Requirements: Associates degree or equivalent. Medium typing. Report, letter writing and broad organizational skills. Knowledge of basic accounting and statistics. Ability to work independently and under pressure. Excellent interpersonal skills. Word process confidentiality.

Minimum Biweekly Starting Salary: \$524.21
Job Number: C141

*Position: Administrative Aide, GR21
Department: School of Hotel Administration

Description: Serve as assistant to the Director of Business and Administration. Reviews, analyzes and approves requests for expenditures; use Lotus 1-2-3 to format and prepare current accounting and budget reports; assist the Director on confidential matters in the areas of budget and personnel; non-repetitive workload; daily contact with faculty and staff.

Requirements: Associates degree in business or equivalent education. Medium typing. Experience with Cornell budget and accounting procedures. Working knowledge of Lotus 1-2-3 and word processing skills preferred. Ability to work and make decisions to solve problems independently is essential.

Minimum Biweekly Starting Salary: \$497.40
Job Number: C1412

*Position: Administrative Aide, GR20 (Repost)
Department: University Development

Description: Provide secretarial and administrative assistance to the Office of Major Gifts. Coordinate flow and oversee completion of work with in office; assist in making arrangements for visitors to the campus. Conduct research for special projects; type, edit and proofread correspondence, reports, etc. Make appointments and coordinate travel arrangements.

Requirements: Associates degree or equivalent. Medium typing. Significant experience working in a busy office with considerable public contact. Ability to work with a wide range of individuals. Excellent communication (written and oral) skills. Discretion in dealing with confidential matters.

Minimum Biweekly Starting Salary: \$468.29
Job Number: CO414

*Position: Administrative Aide, GR20
Department: University Development

Description: Provide high level administrative and secretarial assistance to Director of the Cornell Fund. Assist with stewardship and recognition programs; gift acknowledgements; manage donor lists, and perform basic research.

Requirements: Associates degree or equivalent. Medium typing. Significant experience working in a busy office with considerable public contact. Excellent communication (written and oral) skills. Ability to handle confidential information, prioritize assignments and work under pressure.

Minimum Biweekly Starting Salary: \$468.29
Job Number: C147

Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

New Statutory Salaries become effective March 27, 1986.

Administrative/Professional

The minimum salaries listed are for recruitment purposes only.

*Position: Senior Research Support Specialist
Department: Agricultural Economics
Description: Conduct research and develop large and comprehensive models to assess Upstate New York agricultural situation and outlook in the year 2000 and beyond. Perform innovative research on the impact of new technology on agriculture and its electrical use is required. Will coordinate the project as well as manage and control the project budget. 3 year position.

Requirements: PhD in agricultural economics, economics, or related field desired; completion of PhD qualifying exam required. Knowledge of and experience with linear programming required. Familiarity with commercial farm sector required. Please send cover letter and resume to Cynthia Smithbower by April 25, 1986.

Job Number: PT 143

*Position: Communications Production Coordinator

Department: University Development
Description: Coordinate printing and mailing of fundraising communications, brochures, newsletters, alumni solicitation letters and invitations. Maintain production and distribution records cost.

Requirements: Associate's degree or college level courses in graphic arts desirable. Experience in educational fundraising helpful. Knowledge and familiarity with printing techniques and terminology, design, and postal regulations. Superior abilities in proofreading, task organization and interpersonal relations. Please send cover letter and resume to Ralph D. Jones by April 24, 1986.

Job Number: PA144

*Position: Project Coordinator II

Department: Maintenance & Service Operations
Description: Serve as liaison between departments and M&SO on building maintenance matters. Identify building operating problems and projects scope. Schedule and coordinate maintenance and rehabilitation projects; inspect construction. Approve maintenance work for payment.

Requirements: Associates degree in engineering or construction technology required; Bachelors degree in engineering, architecture, or business administration preferred. Strong technical background in buildings, minimum 4 to 5 years experience in construction or maintenance management, and demonstrated strong oral and written communication skills required. Please send cover letter and resume to Ralph D. Jones by April 24, 1986.

Job Number: PA147

*Position: Development Assistant

Department: University Development
Description: Interim development assistant for large fundraising projects. Assist development of computer systems for fundraising and coordination of diverse fundraising campaigns, tracking potential major donors and other fundraising duties. 1 year appointment; May 8, 1986 - May 8, 1987.

Requirements: Bachelors degree. One year fundraising experience, well-developed interpersonal skills, writing ability, thorough familiarity with fundraising principles, thorough understanding and ability to operate personal and mainframe computers. Please send cover letter and resume to Ralph D. Jones by April 24, 1986.

Job Number: PA148

*Position: Technical Consultant II

Department: NYSSILR, Resident Division
Description: Aid and assist faculty and students in computer related instruction and research projects using Cornell's computer system and micro-computers.

Requirements: Bachelors degree with computer related courses, statistical courses, social science research or related experience; Masters degree preferred. Understanding of social science statistics and research methods. Consulting and teaching experience desirable. Experience using SAS, SPSS, Minitab and Script. Ability to write basic programs in FORTRAN or WAT-FIV and write CMS Execs with JCL and tape disk use in CMS, MVS and TOPS-20. Ability to explain computing procedures to users at various levels orally and in writing. Experience with and knowledge of micro-

computer hardware and software desirable. Please send cover letter and resume to Cynthia Smithbower.

Job Number: PT145

*Position: Accountant II

Department: Restricted Fund Accounting
Description: Assistant supervisor of Restricted Fund Accounting. Responsible for most day-to-day operations of staff; oversight and training responsibilities for internal computer operations; some source responsibilities.

Requirements: Bachelors degree in accounting, business or related field or equivalent. Cornell experience highly preferred. Strong accounting and computer skills. Experience with IBM PC XT - Symphony a plus. Strong communication (written and oral) skills. Please send cover letter and resume to Esther L. Smith.

Minimum Biweekly Starting Salary: \$522.60
Job Number: P146

*Position: Retail Manager II, Text Books (Repost)

Department: Campus Store
Description: Responsible for all retail operations, supervision, buying (course books), inventory control, merchandising, budget preparation and management, vendor and customer relations for the text book area. Primary liaison to faculty.

Requirements: Bachelors degree or equivalent education and experience. 5 to 7 years successful experience in the text book field. Experience must have included supervision of full-time staff. Please send cover letter and resume to Ralph D. Jones by April 24, 1986.

Job Number: PA112

*Position: Assistant Director, Club Affairs (Repost)

Department: Alumni Affairs
Description: Assist Director of Club Affairs in planning overall policies, procedures and goals for Cornell Clubs nationally. Individual will be responsible for maintaining contacts with Regional Directors, Cornell Public Affairs offices and Cornell Club offices; coordinating in-house administration for Cornell Club annual programs and young alumni activities.

Requirements: Bachelors degree. Strong organizational, interpersonal, communication and writing skills required; some travel required. 3 to 4 years of experience working with volunteer organizations preferred. Please send cover letter and resume to Ralph D. Jones by April 24, 1986.

Job Number: PA025

Position: Assistant Director for Graphic Purchasing

Department: Publications Services
Description: Manage the purchase of type and print for Cornell offices and departments with an eye to quality, cost and timely delivery. Provide graphic assistance to campus clients; act as liaison with print and type vendors; develop and administer graphic purchasing policies and procedures; supervise graphic purchasing staff and all estimating, contractual and billing functions.

Requirements: Requires formal education in graphic arts. 7 to 10 years of experience in print production, including sales, markup and typesetting, prepress, and printing with offset experience especially helpful. Excellent communication skills and business acumen necessary. Please send cover letter and resume to Ralph D. Jones by April 17, 1986.

Job Number: PA136

Position: Computer Operations Coordinator

Department: Controller's (Endowed Accounting)
Description: Under general direction, responsible for supervising and coordinating the multiple shift operation of the computer facility at the Endowed Accounting Office; coordinating the updating of payroll, budgets and accounting systems for endowed and/or statutory units.

Requirements: Associate's degree or equivalent. 3 to 5 years experience in the operation and supervision of a computing facility. In-depth knowledge of computer equipment for DP and JCL, production control. Familiarity with mainframe operating system. Strong communication, interpersonal and supervisory skills. Please send cover letter and resume to Cynthia Smithbower by April 18, 1986.

Job Number: PT135

Position: Physical Therapist

Department: University Health Services
Description: Evaluate and treat orthopedic and sports related problems. Responsible for planning and implementing physical therapy programs for

referred patients. Maintain appropriate records in compliance with ethical and legal standards. Participate in in-service programs as appropriate. Participate in on-going projects.

Requirements: Bachelor's degree or equivalent. Registered physical therapist in NYS required. Certification by National Athletic Trainer's Association desirable. Some experience in orthopedics and sports physical therapy. Please send resume and cover letter to Ralph D. Jones by April 17, 1986.

Job Number: PA131

Position: Senior Accountant
Department: Controller's (Endowed Accounting)

Description: Supervise daily operations (staff of 5) of Sponsored Programs Accounting section. Establish accounts in accordance with budget restrictions, monitor expenditures, and prepare monthly billings and reports for specified agencies as well as advising departments of the proper procedures in administering grant and contract funds.

Requirements: Bachelor's degree in accounting or equivalent. Minimum two years accounting experience. Demonstrated supervisory experience. Familiarity with Grant and Contract regulations desirable. Please send cover letter and resume or call in confidence to Esther L. Smith at 255-6874 by April 16, 1986.

Minimum Biweekly Starting Salary: \$543.50
Job Number: PC134

Position: Administrative Supervisor II
Department: Design and Environmental Analysis

Description: Direct and/or advise on personnel, business and facilities aspects of a small department. Related activities include funds management, undergraduate course scheduling, staff supervision, equipment and space management and information systems management.

Requirements: Bachelor's degree or equivalent preferred. Two years relevant administrative supervisory experience. Good communication and human relations skills. Please send cover letter and resume to Ralph D. Jones by April 21, 1986.

Job Number: PA132

Position: Residence Director II (Town House Director)

Department: Residence Life
Description: Assumes primary program and related administrative duties for a town house community of 300 upperclass students. Recruits, trains and supervises student staff. Works closely with Faculty-in-Residence, residents and staff to implement student and community development objectives set by community and the Department of Residence Life. Live-in position with furnished apartment provided.

Requirements: Master's degree or equivalent strongly preferred. Bachelor's degree in higher education, community resource development or closely related field required. Experience with student residences, community development, counseling and stration expected. Please send cover letter and resume to Ralph D. Jones by May 1, 1986.

Job Number: PA124

Position: Budget Director

Department: Endowed Budget Office
Description: Coordinate fiscal data and develop annual program and financial plans; prepare budget documents and reports; monitor operating budget; develop reliable forecasting procedures and provide cost accounting and analysis capabilities and staff support to University officers.

Requirements: Master's degree. Ten years of experience in development of financial policies and operations. Demonstrated outstanding communication and interpersonal skills. Experience in a large decentralized and non-profit organization helpful. Please send cover letter and resume to Ralph D. Jones by May 1, 1986.

Job Number: PA105

Position: Budget Analyst (Repost)

Department: Administrative Services
Description: Provide budget forecasting and preparation, financial sensitivity analysis, prepare monthly reports, income trend analysis in support of \$50 million department budget.

Requirements: Bachelor's degree or equivalent. Two years experience in accounting and/or budgeting. Knowledgeable in computers (Lotus 1-2-3, Symphony). Excellent verbal and written communication skills. Please send cover letter and resume to Ralph D. Jones.

Job Number: PA4610

***Position: Secretary, GR20**
 Department: Finance & Business Office
 Description: Provide secretarial support to the Associate Director of Finance. Keep calendar; maintain files; arrange meetings; make travel arrangements; prepare and type various reports and surveys; type correspondence and budgets; provide secretarial support to budget and other office staff; serve as back-up to Director's Administrative Aide position.
 Requirements: Associates degree in secretarial science or equivalent experience. Ability to handle heavy statistical typing. Knowledge of word processing and IBM PC desirable.
 Minimum Biweekly Starting Salary: \$468.29
 Job Number: C146

***Position: Secretary, GR20**
 Department: Biotechnology
 Description: Provide secretarial support for the program Director and a multidisciplinary research and public service program. Prepare, draft, type and proofread correspondence, etc; arrange and schedule meetings and symposium; answer phone; handle some accounts and financial records. Other duties as assigned.
 Requirements: Associates degree or equivalent. Heavy typing. Minimum 2 to 3 years of successful secretarial experience in a research environment. Experience using a computerized word processing system is required. Technical typing experience required.
 Minimum Biweekly Starting Salary: \$468.29
 Job Number: C143

***Position: Accounts Assistant, GR18**
 Department: Controllor's (Accounting)
 Description: Process accounts payable vouchers for payments to Cornell's vendors; use computer terminal to input payment and accounting information; assist vendors and departments regarding payments; maintain a reference file of vouchers.
 Requirements: High school education or equivalent. Medium typing. Ability to use adding machine and CRT computer terminal. Good communication skills. Accuracy with figures. Bookkeeping experience desirable.
 Minimum Biweekly Starting Salary: \$418.85
 Job Number: C149

***Position: Searcher, GR18**
 Department: Acquisitions - Olin Library
 Description: Search card catalogs, national and trade bibliographies, and RLIN automated system for bibliographic information pertaining to books the library is ordering or has received; input records for new books and orders in RLIN database. Other duties as assigned by head of the Searching section. Full-time, regular; Monday - Friday, 12-15 hours scheduled after 5pm Monday - Thursday.
 Requirements: High school diploma or equivalent. Light typing. Minimum 3 years of progressively more technical services experience preferred. Additional education may be substituted for experience. Knowledge of at least one Western European language, German preferred.
 Minimum Biweekly Starting Salary: \$418.85
 Job Number: C145

***Position: Office Assistant, GR16**
 Department: Johnson Graduate School of Management
 Description: Assist Journal's business manager in maintaining subscription list; deposits; update accounts; type invoices and labels; file; answer phone; photocopy. Other duties as assigned.
 Requirements: High school diploma or equivalent. Light typing. Some office experience desirable. Good organization and interpersonal skills.
 Minimum Biweekly Starting Salary: \$378.73
 Job Number: C142

Position: Administrative Aide, GR22
 Department: Endowed Payroll Office
 Description: This position is responsible for the payment of the endowed exempt employees. Duties will include the execution and interpretation of established policies and procedures as well as assisting in the maintenance of the computerized system for the Exempt Payroll.
 Requirements: Associate's degree or equivalent. Medium typing. Minimum of at least three years experience in a payroll or accounting office. Excellent organizational, communication and interpersonal skills. Familiarity with computer processing systems desirable.
 Minimum Biweekly Starting Salary: \$524.21
 Job Number: C133

Position: Administrative Aide, GR20
 Department: Veterinary Microbiology - James A. Baker Institute for Animal Health
 Description: Prepare and maintain personnel and payroll records for institute staff (65 employees). Provide secretarial support for 5 professors and support personnel (12). Type scientific grants, manuscripts, etc. Other duties as assigned.
 Requirements: Associate's degree or equivalent. Heavy typing. Minimum 2 to 4 years related work experience. Knowledge of Cornell (Statutory College) payroll and personnel procedures essential. Knowledge of veterinary/medical/chemistry terminology valuable. Word processing skills (Xerox 860) valuable. Good grammar, punctuation and editing skills needed.
 Minimum Biweekly Starting Salary: \$468.29
 Job Number: C139

Position: Secretary, GR20 (Repost)
 Department: Dining Services
 Description: Provide secretarial/receptionist support for the central administrative office of the Department of Dining Services. Handle communication, correspondence and calendars; greet all visitors; answer and screen phone calls; maintain office supplies; handle mail. Other duties as assigned.
 Requirements: Associate's degree or equivalent. Heavy typing. Minimum 2 to 4 years experience. Excellent grammar, spelling and editing skills essential. High level of accuracy and efficiency essential. Microm 3000 word processor competence

preferred. IBM PC helpful. Ability to work in a high pressure environment.
 Minimum Biweekly Starting Salary: \$468.29
 Job Number: CO917

Position: Accounts Assistant, GR20
 Department: Electrical Engineering
 Description: Full responsibility for financial activities of research group w/one professor, 5 research associates, 2 postdocs, and 8 additional support staff. Prepare various computer generated reports; approve expenditures; prepare budgets for research proposals; process internal school billings for services and supplies; assist with processing of purchase orders.
 Requirements: Associate's degree in accounting or business or equivalent work experience. Minimum 3 to 5 years financial work experience preferably at Cornell. Experience with IBM PC and Lotus 1-2-3. Grant and Contract experience desirable.
 Minimum Biweekly Starting Salary: \$468.29
 Job Number: C132

Position: Collection Representative, GR19
 Department: Bursar
 Description: Collect delinquent student accounts and student loans through written and telephone communications, locate delinquent borrowers through "skip tracing". Full-time, regular, Monday and Friday 8am - 4:30 pm; Tue, Wed, Thurs 12pm - 8:30pm.
 Requirements: High school diploma. College coursework preferred. Medium typing. Ability to represent the University with tact and courtesy while collecting delinquent accounts. Ability to interpret and follow state and federal loan regulations.
 Minimum Biweekly Starting Salary: \$443.78
 Job Number: C1312

Position: Accounts Assistant, GR18
 Department: Dining Services
 Description: Assist the Co-op Coordinator in the daily operations of the Co-op board plan. Greet public and respond to meal plan member inquiries and complaints. Handle daily transactions, maintain filing system, answer telephone inquiries, assist in registration process. Other duties as assigned.
 Requirements: High school diploma or equivalent. Business school desirable. Light typing. Minimum 1 year related experience. Good office and public relations skills essential. CRT and PC experience preferred.
 Minimum Biweekly Starting Salary: \$418.85
 Job Number: C135

Position: Senior Records Assistant, GR18
 Department: Veterinary Library
 Description: Receive and process new monograph acquisitions; search nonserial gift materials in card catalogs and maintain gift records; file catalog cards; perform some collection maintenance; provide circulation, directional/informational and other public service assistance to patrons at the Circulation/Research Information Desk. Compile and distribute the Library's newsletter. Other duties as assigned.
 Requirements: Previous office and/or library experience desirable. Light typing. Strong interpersonal and communications skills. Ability to organize and accurately perform detailed work. Knowledge of word processing and microcomputers desirable.
 Minimum Biweekly Starting Salary: \$418.85
 Job Number: C138

Position: Membership Secretary, GR18
 Department: Ornithology
 Description: Maintain the Laboratory's system for new members. Work in cooperation with membership staff in maintaining a smooth running membership; solicitation and renewal program for 10,000-20,000 members, responsible for initial preparation of all membership income deposits.
 Requirements: High school diploma or equivalent. Business or secretarial school desirable. Medium typing. Familiarity with office computer systems. Good organizational skills required. Ability to be accurate and pay attention to details. Excellent interpersonal skills.
 Minimum Biweekly Starting Salary: \$418.85
 Job Number: C134

Position: Secretary, GR18
 Department: Program on Science, Technology & Society
 Description: Type letters, reports, manuscripts; responsible for staff support for all courses within the STS Program/Biology & Society Major, (class lists, syllabi, scheduling of classrooms, etc.); arrange meetings; symposia; make travel arrangements.
 Requirements: High school diploma or equivalent. Business or secretarial school desirable. Heavy typing. Previous secretarial experience preferably at a college. Experience with CU courses helpful. Knowledge of word processing desirable.
 Minimum Biweekly Starting Salary: \$418.85
 Job Number: C137

Position: Office Assistant, GR17
 Department: Division of Summer Session, Extramural Study & Related Programs
 Description: Responsible for the handling of requests for information; bulk mailings; process applications; enter data and some secretarial work for director.
 Requirements: High school diploma or equivalent. Some college desirable. Medium typing. Minimum 1 to 3 years office experience. Some computer experience preferred. Strong interpersonal and oral communication skills.
 Minimum Biweekly Starting Salary: \$397.60
 Job Number: C1313

Position: Circulation/Reserve Assistant, GR16
 Department: Circulation/Reserve - Uris Library
 Description: Directed by Reserve Supervisor, process all photocopied and personal reserve

materials; work at Reserve Desk; may participate in other Uris Library activities such as checking-in periodicals; work in Media Room; compile statistical profiles of reserve operations. Full-time, regular; Monday - Thursday, 1:00pm - 10:00pm; Friday 1:00 - 9:00pm.
 Requirements: High school diploma or equivalent; some college background. medium typing. Ability to work well with variety of people and under pressure. Excellent organizational skills.
 Minimum Biweekly Starting Salary: \$378.73
 Job Number: C136

***Position: Animal Technician, GR22**
 Department: Equine Drug Testing
 Description: Exercise and train race horses under saddle and harness. Record results of experiments. Under supervision, responsible for proper care and veterinary treatment of up to 30 horses. Some drug administration trials (blood and urine collection). Assist with library work and record keeping.
 Requirements: High school diploma or equivalent; vet tech degree or equivalent. Expertise with horses, preferably race horses desired. Knowledge of horse training, handling, and husbandry.
 Minimum Biweekly Starting Salary: \$524.21
 Job Number: G142

***Position: Dairy Worker, SO19**
 Department: Clinical Sciences - Statutory
 Description: Feeding, cleaning, foot trimming, restraining. Observe general health of animals; detect estrus. Perform general farm maintenance, light carpentry, plumbing, plowing, mowing, loading and fence building. Transport animals and perform other duties as assigned. Sunday - Thursday; hours to be arranged.
 Requirements: High school diploma or equivalent. Ability to detect estrus, strong farm background, experience driving farm tractor and using small hand tools required. Able to work independently. NYS Class 5 driver's license, ability to lift 100 lbs. with assistance and pre-employment physical required.
 Minimum Starting Salary: \$5.74/hour
 Job Number: G141

***Position: Sales Assistant, GR17**
 Department: Campus Store
 Description: Under general supervision, assist customers in the sale of cameras, radios, photo-finishing, accessories, etc., answer questions, demonstrate equipment. Maintain photo-finishing orders. Monday - Friday, 8:30 - 5:00; occasional Saturdays.
 Requirements: High school diploma or equivalent. 2 to 3 years related experience. Some knowledge and background in cameras, accessories, and photo-finishing preferred.
 Minimum Biweekly Starting Salary: \$397.60
 Job Number: G144

***Position: Technical Sales Assistant, GR17 (Repost)**
 Department: Campus Store
 Description: Sell computer manuals, software and supplies. Maintain accurate inventory, assistance in development and implementation of computer sales and inventory system. Operate computerized cash register. Supervise/manage department in absence of manager. Other duties as assigned. Occasional Saturdays.
 Requirements: Two years computer related courses. Previous computer sales in a retail environment required. Ability to operate microcomputers, such as IBM PC, DEC Rainbow, Apple Macintosh; demonstration of applicable software such as WordPerfect, Microsoft Word and Multiplan. Good communication and interpersonal skills.
 Minimum Biweekly Starting Salary: \$397.60
 Job Number: S325

***Position: Custodian, SO16**
 Department: Statler Inn - Endowed
 Description: Maintain Statler Hall in high state of cleanliness; provide support services as directed by the Housekeeping Manager. Thursday - Monday, 4:30pm - 1:00am.
 Requirements: High school diploma or equivalent. Service orientation, some custodial experience required preferably in a commercial or industrial environment. Must be able to lift 50 lbs.
 Minimum Starting Salary: \$4.84/hour
 Job Number: G145

***Position: Sales Assistant, GR15**
 Department: Campus Store
 Description: Operate cash register, wait on customers, stock assigned areas; keep merchandise, shelves, sales displays and cashier area neat and clean. Assist in routine pricing and/or ordering of merchandise, handle charge purchases and/or customer services. Monday - Friday, 8:30 - 5:00; occasional Saturdays.
 Requirements: High school diploma or equivalent. 6 months retail sales experience preferred.
 Minimum Biweekly Starting Salary: \$360.66
 Job Number: G143

General Service

Technical

training and/or experience in the following areas are encouraged to apply: biochemistry, chemistry, microbiology, electronics, physics and licensed animal health technicians.

***Position: Technician, GR22 (Repost)**
 Department: Agricultural Engineering
 Description: Provide technical support in the examination of the kinetics of apply pomace conversion of soluble products. Design and construct models; conduct and analyze experiments; prepare reports based on experimental work; interface computer systems for data storage and analysis; use and maintain analytical equipment; maintain the laboratory.
 Requirements: Bachelors degree or equivalent experience in engineering or related sciences. One year's experience in wet chemistry analysis, operation of gas chromatography instruments, solids analysis, automatic scales, and complete laboratory equipment; use of computer data storage and analysis; some experience in conducting biological experiments with bacteria preferred.
 Minimum Biweekly Starting Salary: \$524.21
 Job Number: T103

***Position: Research Assistant I (or II)**
 Department: Boyce Thompson Institute
 Contact department directly (see below)
 Description: Maintain large fungal culture collection under liquid nitrogen refrigeration, includes accessioning, freezing, thawing, and distribution of cultures. Use personal computer to maintain collection records, routine collection correspondence, and to prepare periodic reports of collection activity. Prepare culture media. Assist basic research program on systematics and cell biology of insect-pathogenic fungi.
 Requirements: Bachelors degree in plant pathology, microbiology, or similar life science featuring training in handling cultures of microbes. Excellent sterile technique and attention to detail are essential; training and/or practical experience in mycology highly desirable. Experience with IBM PC or compatibles and with word processing (Word Perfect) and/or database management desirable. Availability before May 1, 1986, highly desirable. Research Assistant II requires minimum of one year's experience in laboratory techniques related to needs and subject area of project. Send cover letter, resume, and copy of transcripts directly to Richard Humber by April 15, 1986.
 Minimum Starting Salary: \$11,600 per year (RA II: \$12,000 per year)
 Contact: Dr. Richard Humber, USDA-ARS Plant Protection Research Unit, Boyce Thompson Institute, 257-2030, ext. 427
 Job Number: T141

***Position: Technician, GR19**
 Department: Plant Breeding & Biometry
 Description: Assist with field, lab, and greenhouse operations of small grain breeding project. Duties include harvesting, processing, data recording, transcribing and analyzing manually or with microcomputer. Overseeing small crew occasionally. 6-month position.
 Requirements: Bachelors degree in plant breeding or related plant science area desirable; pesticide applicator's license desirable. Driver's license required. Farm background with experience in small grains breeding projects preferred. Please send cover letter and resume to Cynthia Smithbower.
 Minimum Biweekly Starting Salary: \$443.78
 Job Number: T143

***Position: Research Assistant I**
 Department: Boyce Thompson Institute
 Contact department directly (see below)
 Description: Field and laboratory work study a pathogen of the gypsy moth in Shenandoah National Park, VA., including assistance with: establishment of research plots, sampling gypsy moth populations, infecting gypsy moth larvae and conducting biological experiments, maintaining fungal cultures and gypsy moth colonies. Room and board at a biological field station will be provided as well as transportation to VA and back to Ithaca. This position will last for 3 months, beginning as soon as possible.
 Requirements: Bachelors degree, preferably in the biological sciences. Ability to live and work with a field crew essential. Experience with biological field and/or laboratory work preferable. Experience working with computers helpful.
 Minimum Starting Salary: \$840/month
 Contact: Dr. Richard Soper or Dr. Ann Hajek, USDA-ARS Plant Protection Research Unit, Boyce Thompson Institute, 257-2030.
 Job Number: T142

Position: Computer Operator II, GR22 (Repost)
 Department: Cornell Computer Services, Academic Computing
 Description: Operate all mainframe and/or minicomputer equipment and all peripherals within a terminal facility; answer basic questions based on a working knowledge of IBM 3081, 4341, and DEC2065. As well as answer routine questions based on hardware with the terminal facility. Monday - Friday, 7:30 - 4:00pm.
 Requirements: Associate's degree or equivalent in computing. One year related experience, preferably at Cornell. Working knowledge of Cornell's computer systems including major revisions of packages supported by CCS. Good interpersonal, communication skills and organizational skills. Strong computer.
 Minimum Biweekly Starting Salary: \$524.21
 Job Number: T106

Position: Animal Health Technician, GR20
 Department: Veterinary Medical Teaching Hospital
 Description: Collect samples from cows, sheep, goats, and horses; centrifuge and pipette blood samples; prepare lab submission forms. Enter data on botus worksheets. Perform lab tests (e.g.

Job Opportunities

Continued from Page 13

packed cell volumes, zotal protein, ketone body analysis and milk progesterone using ELISA bits.) Visit farms to collect samples or data ration balancing, hand monitoring and research purposes.

Requirements: Associate's degree in animal health technology and licensure in at least one state; eligibility for licensure in New York. Ability to work with large domestic animals.

Minimum Biweekly Starting Salary: \$468.29
Job Number: T131

Position: Technician, GR19

Department: Diagnostic Laboratory

Description: Perform radioimmunoassays of hormones and other antigens on animal and some human blood samples. Includes preparing samples (centrifuging, extracting w/volatile solvents, dispensing into assay tubes), handling of low-level radioactive materials, protocoling assays and calculating their results, referring veterinarians and other clients w/inquiries to proper sources of information, preparing buffers and hormone solutions, maintaining paper and computer files, washing dishes, and cleaning the laboratory.

Requirements: Bachelor's degree in animal science, physiology or a related field. Basic skills in and knowledge of chemical laboratory procedures and mathematics, and keyboarding are essential. Good interpersonal and communication skills. Previous experience inputting data into a computer essential. Training in immunology, endocrinology, and biochemistry would be useful. Must have ability to work accurately under pressure of frequent deadlines. Apply by April 14, 1986.

Minimum Biweekly Starting Salary: \$443.78
Job Number: T134

Position: Technician, GR18

Department: Horticultural Sciences, Hudson Valley Lab

Description: Assist Professor of Pomology in research on pine vole damage to young apple trees. 18 month appointment; contingent upon renewal of funding.

Requirements: Bachelor's or equivalent in biological sciences. 1 to 2 years fruit farm or research experience. Must be able to operate a farm tractor, make routine chemical analyses of plant tissue samples, and summarize and statistically analyze experimental data.

Minimum Biweekly Starting Salary: \$418.85
Job Number: T136

Position: Technician, GR20

Department: Neurobiology and Behavior

Description: Assist in the design and conduct of electrophysiological and behavioral research, and will aid in the administration of a small laboratory. The research program concerns electrophysiology of the lateral line system of tropical fishes and studies of communication behavior among tropical fish.

Requirements: Bachelor's degree in some field of experimental biology. Master's degree desirable. Experience in a research laboratory environment. Familiarity with electrophysiological, neurobiological and animal behavior techniques. Excellent eye/hand coordination for hand work; skilled in the use of laboratory equipment and tools. Please submit cover letter, resume and copy of transcripts to Cynthia Smithbower.

Minimum Biweekly Starting Salary: \$468.29
Job Number: T124

Position: Technician, GR20

Department: Animal Science

Description: Milk cows, collect blood and milk samples and oversee large intensive three year experiment, input data on microcomputer, carry out biochemical laboratory work when needed, process tissue samples for microassay. Will be required to work with graduate students, undergraduates and faculty members.

Requirements: Bachelor's degree in animal science necessary. Extensive experience in computers, radioimmunoassays, animal physiology and animal science. Apply by April 18, 1986.

Minimum Biweekly Starting Salary: \$468.29
Job Number: T123

Part-time

*Position: Executive Staff Assistant I

Department: Residence Life

Description: Provide support to Department in implementing the faculty in Residence and Faculty Fellow program. Part-time, regular; 10 month appointment; hours flexible.

Requirements: Bachelors degree or equivalent. Some work experience in Residence Hall developmental programming preferred. Strong interpersonal written and oral communication skills. Ability to relate to all levels of University community and work independently. Please send cover letter, resume and writing sample or call in confidence to Esther L. Smith by April 21, 1986.

Job Number: PC137

*Position: Office Assistant, GR17

Department: Architecture, Art and Planning - Registrar's Office

Description: Enter student information system data into computer; assist in updating permanent record cards; aid in distribution of registration materials to students; act as office receptionist as needed. Part-time, regular; Monday - Friday, 29 hours per week to be arranged.

Requirements: High school diploma or equivalent; medium typing. Extremely accurate typing, medium speed. Some experience with data entry. Good spelling. Detail oriented. Good interpersonal skills. Knowledge of computers desirable and SIS system. Experience in academic environment.

Minimum Biweekly Starting Salary: \$397.60
Job Number: C1410

*Position: Records Assistant, GR16

Department: Catalog - Olin Library

Description: Participate in a project to convert library catalog records into machine readable form using RLIN system by inputting original catalog records online. Other duties as assigned. Part-time, regular; Monday - Friday, may require evening hours.

Requirements: High school diploma or equivalent. Medium typing. Knowledge of data entry helpful; some office experience helpful; ability to perform detailed and repetitive tasks accurately; experience with foreign languages helpful.

Minimum Biweekly Starting Salary: \$378.73
Job Number: C148

Position: Coordinator, Eco-Justice Project

Department: Center for Religion, Ethics and Social Policy

Description: Administer educational and research project. Serve as enabler for volunteer research and resource development team, while engaging in consulting and educational activity, including planning and coordinating workshops and conferences, public speaking, and article writing; oversee office activity; develop budgets and secure funding.

Requirements: Strong commitment to social and ecological justice, administrative experience in collegial setting, strong oral and communication skills, grant writing skills and ability to develop resources for projects, leadership development and networking skills. Advocacy skills and knowledge of church structures and community processes desirable. Send resume with three references plus two concise statements, one on key issues confronting humankind and its future, one on your skills and interests, to: Search Committee, Eco-Justice, Anabel Taylor Hall, or call 255-4225 by April 15.

Minimum Starting Salary: \$8,000 (half-time)
Job Number: P138

Position: Administrative Coordinator

Department: The Learning Web

Description: Half-time position responsible for grant writing, fiscal management and administrative duties.

Requirements: Organizational and communication skills and previous experience necessary. Please submit resume and short statement expressing your views on youth and education by March 31 to: The Learning Web, 318 Anabel Taylor Hall, Ithaca, NY 14853. Job description available at same address.

Job Number: P129

Temporary

TEMPORARY OPPORTUNITIES: Individuals qualified for temporary work in the following areas are encouraged to apply: clerical, secretarial, word processing. If you have experience or skills in these or related areas and are interested in learning more about these opportunities, please call Laurie Worsell at 255-5226.

*Position: Freelance Artist

Department: Education

Description: Create pen and ink drawings for publication.

Requirements: Experience in graphic arts; some experience in agricultural arts preferred. Production experience a must.

Contact: Janet Hawks at 255-9252.
Job Number: G146

Position: Temporary Computer Operator (Repost)

Description: School of Hotel Administration Description: Provide technical assistance for hardware and software on the WANG computer to approximately 45 users. Perform routine mainframe computer operations and system maintenance such as back-ups and reports. Respond to phone inquiries on technical support and routine activities. Monday - Friday, 9:00am - 3:00pm (20-25 hours per week) until September 1, 1986.

Requirements: Knowledge of routine maintenance for computers, including troubleshooting, preventive maintenance and set-up. Knowledge of word processing and concepts is desirable. Please send cover letter and resume to Cynthia Smithbower.

Minimum Starting Salary: \$6.00/hour
Job Number: T108

Position: Animal Technician (Repost)

Department: Veterinary Microbiology - James A. Baker Institute for Animal Health - Statutory

Description: Provide care feed, water, clean and monitor for small research animals (canines and rodents) following strict protocols for sterile or disease control environments and regulations for animal welfare. Weekend and holiday work required. Full-time, temporary until October 5, 1986.

Requirements: High school diploma or equivalent. Experience with a variety of lab animals and animal breeding preferred. ALAS Certification helpful. Preemployment physical required. Must be able to lift up to 100 lbs. Apply in person at the East Hill Plaza Office, Monday - Friday, 9:00 am - 12 noon.

Minimum Starting Salary: \$4.00/hour
Job Number: G134

Position: Temporary Research Support Aide (Five positions)

Department: Communication Arts

Description: Interview to survey environmental issues and new communication technology throughout the Adirondacks and Canada. Three weeks in July.

Requirements: Prefer graduate students with a social science background. Please send cover letter and resume to Karen Clifford.

Minimum Starting Salary: \$5.25/hour lodging and transportation

Job Number: T132

Position: Temporary Collection Representative (Two Positions) (Repost)

Department: Bursar

Description: Perform duties involved in the collection of delinquent student loan accounts. Duties include researching student loan accounts, 'skip tracing', initiating telephone and written communication with delinquent loan accounts, making suitable repayment arrangements with delinquent borrowers. Tuesday, Wednesday, Thursday, 4:30 p.m. - 8:30 p.m.

Requirements: H.S. education or equivalent. Ability to effectively communicate via the telephone and letter. Person must be self-assured and possess the maturity to effectively present the University's position with diplomacy and tact. Please send cover letter and resume to Esther L. Smith by April 18, 1986.

Job Number: C222

Please contact department directly.

Academic

*Position: Assistant Professor of Natural Resources Policy and Management

Department: Natural Resources

Contact: Professor Bruce T. Wilkins, Chairman, Search Comm., 120 Fernow Hall, Dept. of Natural Resources, NYS College of Agriculture and Life Sciences

Job Number: A141

Position: Extension Associate, Regional Farm Business Management Specialist

Department: Cooperative Extension

Contact: Sally A. Clark, U.S. Dept. of Agriculture, 31 Roberts Hall

Job Number: A131-86

Position: Faculty: Anesthesiologist

Department: Clinical Sciences, NYS College of Veterinary Medicine

Contact: Dr. A. de Lahunta, Chairman, Dept. of Clinical Sciences, NYS College of Veterinary Medicine

Job Number: A132-86

Position: Assistant Professor

Department: Communication Arts, NYS College of Agriculture and Life Sciences

Contact: Professor C. Scherer, Communication Arts, 312, Roberts Hall

Job Number: A133-86

Position: Lecturer (3 openings)

Department: Communication Arts, NYS College of Agriculture & Life Sciences

Contact: Professor R. Martin, Communication Arts, 510 Mann Library Building

Job Number: A134-86

Position: Lecturer

Department: Communication Arts

Contact: Professor R. Colle, Communication Arts, 207 Roberts Hall

Job Number: A135-86

Position: Lecturer

Department: Communication Arts

Contact: Professor R. Colle, Communication Arts, 207 Roberts Hall

Job Number: A135-86

Position: Lecturer

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Department: Communication Arts

Contact: Professor R. Colle, Communication Arts, 207 Roberts Hall

Job Number: A135-86

Position: Lecturer

Department: Communication Arts

Contact: Professor R. Colle, Communication Arts, 207 Roberts Hall

Job Number: A135-86

Position: Director of American Indian Studies

Department: Department of Rural Sociology

Contact: Professor Charles Geisler, 434 Warren

Hall

Job Number: A137-86

Position: Assistant Librarian

Department: University Libraries

Contact: Carolyn A. Pyhtila, Personnel Director, 235 Olin Library

Job Number: A136-86

Position: Director, NYS Agricultural Experiment Station, Geneva, NY/Associate Director

Research of the College of Agriculture and Life Sciences, Ithaca, NY

Department: Agricultural Experiment Station Office for Research, College of Agriculture and Life Sciences

Contact: N.R. Scott, Director, Office for Research, 292 Roberts Hall

Job Number: A121

Position: Extension Associate III - IPM Implementation Specialist, Hudson Valley Laboratory

Department: Integrated Pest Management, NYS Agricultural Experiment Station (Hudson Valley), NYS College of Agriculture and Life Sciences

Contact: James P. Tette, Leader, IPM Support Group, NYS Agricultural Experiment Station, Geneva, NY

Job Number: A122

Position: Extension Associate III - IPM Implementation Specialist, Long Island Horticultural Research Laboratory

Department: Integrated Pest Management, NYS Agricultural Experiment Station (Long Island), NYS College of Agriculture and Life Sciences

Contact: James P. Tette, Leader, IPM Support Group, NYS Agricultural Experiment Station, Geneva, NY

Job Number: A123

Position: Lecturer in Field Study—Coordinator of Pre-Field Preparation, Human Ecology Field and International Studies Program.

Department: College of Human Ecology.

Contact: Dwight E. Giles, Director, Field and International Study Program, College of Human Ecology

Job Number: A124

Position: Lecturer in International Study/Coordinator Study Abroad

Department: College of Human Ecology

Contact: Dwight E. Giles, Director, Field and International Study Program, College of Human Ecology

Job Number: A125

Position: Director, Cornell Nutritional Surveillance Program (Senior Research Associate II, CAOS)

Department: Division of Nutritional Sciences, College of Agriculture and Life Sciences and College of Human Ecology

Contact: Dr. J.P. Habicht, Division of Nutritional Sciences, Cornell University, Ithaca, NY

Job Number: A126

More Events Listed for Gay Month

More events have been listed on the program for Lesbian, Gay and Bisexual Awareness Month on Campus during April.

The words and music of Heather Bishop, Tom Wilson-Weinberg and Tracy Riley will be heard at 8 p.m. on April 25 in the Auditorium of Anabel Taylor Hall (Admission \$7, sliding scale). These musicians will present their views of what it is to be lesbian and gay.

April 27 will bring another form of the artistic expressions of gays and lesbians in the San Francisco Lesbian & Gay Video Festival at 2 p.m. in the Johnson Art Museum.

The connections between anti-semitism, sexism and homophobia will be discussed on April 26 by Evelyn Torton Beck, currently Director of Women's Studies Program at the University of Maryland. The talk is at 8 p.m. in Hollis E. Cornell Auditorium of Goldwin Smith Hall.

Homosexuality as an international phenomena will be discussed by Jody Laine and

Shad as they talk about the 8th International Lesbian Conference at 8 p.m. on April 28 in the Multi Purpose Room of Robert Purcell Union. The conference was held in Geneva, Switzerland, during March of 1986. Laine is the technical director at Ithaca's First Street Playhouse while Shad teaches herbal medicine in Ithaca.

More than \$10,000 in funding has been provided by the following co-sponsors: Cornell Lesbian, Gay & Bisexual Coalition, Cornell Lesbians, Gay Men at Cornell, Lambda Law Students, Noyes Center, Ithaca Men's Network, Cornell Cinema, Department of Western Societies, Department of Theatre Arts, Dean of Students, Women's Center, Hillel, Division of Campus Life, University Unions Board of Governors, Willard Straight Hall Program Board, CURW, Women's Studies, Panhel and Sigma Phi Oliphant Fund.

Historian To Give 4 Talks

French historian Emmanuel Le Roy Ladurie will give four public lectures at Cornell April 17, 23, 24, and May 1. He is an Andrew D. White Professor-at-Large.

Le Roy Ladurie, a professor of the history of modern civilization at the College de France in Paris and one of the world's foremost historians, will give a series of lectures on "Problems in the History of Old Regime France." The series, in room 165 of McGraw Hall at 4:30 p.m. April 17, 24, and May 1, is sponsored by the Western Societies Program.

He also will deliver a public lecture at 4:30 p.m. Wednesday, April 23, in Hollis E. Cornell Auditorium of Goldwin Smith Hall. His topic will be, "Shameful Revocation; Glorious Revolution: Reflections on the Histories of France and England in the 17th Century." Le Roy Ladurie will be on campus April 13 through May 2. He will be available to students and faculty at his office in the De-

partment of History, room 348 of McGraw Hall, Tuesdays from 10 a.m. to noon; his telephone will be (607) 255-4367.

In addition to his professorship at the College de France, Le Roy Ladurie is Director of the Ecole des Hautes Etudes en Sciences Sociales.

He has written a dozen major books and scores of articles dealing with the peasant climate, popular culture, marriage, kinship and witchcraft.



Vet Open House

The beat of a dog's heart is heard through the earphones of an infrared stethoscope, a teaching tool at the College of Veterinary Medicine. Visitors will tour this and dozens of other exhibits during the college's 20th annual Open House, from 9 a.m. to 4 p.m. Saturday, April 12.

Formerly Taboo Subjects Now Becoming Norm For Prime-Time Made-for-Television Movies

By LIZ GIULIANO

Suicide, spouse and child-abuse, incest, and AIDS were once considered taboo subjects. Today, these and other socially sensitive issues are becoming the norm in prime-time made-for-TV movies. But why the explosion of these programs?

According to a Cornell media specialist, "America realizes that America has problems, that those problems are not going to go

away, and that they must be addressed. Made-for-TV movies are supposed to help the public work out what these problems are and what one should do about them."

Chris Dornan, from McGill University in Montreal, is a visiting lecturer in the Department of Communication Arts in the College of Agriculture and Life Sciences. He said another reason for the phenomenon is increased competition for viewers.

"The made-for-TV movie hits upon very, very topical, socially sensitive issues as a means to lure viewers back to the broadcast networks and away from HBO, and away from the VCR."

He said he doesn't believe these movies necessarily sensationalize or trivialize problems, even though they aren't 100 percent truthful or realistic. These programs are of use in informing the public, he added.

Dornan, a media sociologist, said television programs dealing with social issues have benefits for the viewers.

"It's not simply that the television producers are capitalizing on a national tragedy in order to make a gain in the ratings points and make more profit for themselves. I think that's an overly cynical attitude to take about this. Television producers, and those who watch the performance of the television

industry, and those who are worried about this type of issue, genuinely believe that television can be of use in providing solutions to these problems."

Dornan said in a recent interview that while the happily-ever-after endings characterized in many of the made-for-TV movies may, in fact, be unrealistic, the programs provide a vehicle for informing the public.

The issue-oriented made-for-TV movies don't simply recount a story about what happened to a family beset by a personal tragedy. They also prescribe the way in which one should handle it.

"Although the story is a tragedy," he said, "ultimately it's, in a sense, morally uplifting because these people confront the problem in a mature and responsible and diligent manner. That's not necessarily a bad thing. I think it is a mistake to say that these films trivialize such problems."

Dornan said one might complain that such movies "over-sentimentalize the issue," but issues such as one's child being sexually abused, one's child disappearing, or one's teenager having a drinking problem are issues "that are most acutely felt at the level of one's individual emotions and sentiments."

Liz Giuliano is a staff writer with the Cornell Information Network.

ACS

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sociate in entomology, Geneva; "Neurotoxic Insecticides as Inhibitors of GABA-Dependent Chloride Uptake by Mouse Brain Vesicles;"

— Robert S. Parker, assistant professor of nutritional sciences, "Dietary Carotenoids in Mammalian Tissues and Membranes;"

— Laurence Bigio, graduate student in chemistry, "State-selective Two-photon Dissociation Dynamics of Nitrogen Dioxide;"

— Bruce H. Weiller, graduate student in chemistry, "Gas Phase Substitution Kinetics of Transient Ethylene Iron Carbonyl Complexes by Time-resolved IR Absorption;"

— Josef W. Zwanziger, graduate student in chemistry, "Quantization of a Classical Analog to the Jahn-Teller Exe System;"

— John B. Bourke, professor of food science and technology, Geneva, "Movement of Pesticides Under Till and No-till Corn Production Practices;"

— Erin K. Byrne, graduate student in chemistry, "Synthesis and Reactivity of a CO(II) Peralkyl Species;"

— Gregory A. Ferguson, senior research associate in agronomy, "Heterobimetallic Chemistry: Observation of Alkyl Exchange and Elimination Reactions;"

— Siddhartha Das, graduate student in chemical engineering, "The Kinetics of Free-radical Copolymerization Based on Vinyl Chloroacetate in a CSTR;"

— Peter T. DiMauro, graduate student in chemistry, "Utilization of 4,4-Dimethylcyclohexadienyl: Stabilization of Low-valent Organometallics;"

— James W. Gillett, professor of ecotoxicology, "Biotechnology Risks: A Replacement for Chemical Control of Organisms;"

— Bahar Hooghoghi, graduate student in materials science, "Flocculation of Alumina Particles in Dilute Suspensions in the Presence of Polymer Molecules;"

— Ferdinand Rodriguez, professor of chemical engineering, "Polymer Topics in the Chemical Engineering Curriculum;"

— Aaron S. Posner, professor of biochemistry, Cornell Medical College, "Surface Poisoning of Synthetic and Biological Apoptites;"

— Ann T. Lemley, associate professor of environmental chemistry, "Chemical Degradation of Pesticides in the Saturated Zone: Aldicarb in Long Island Groundwater."

State Budget

Continued from Page 1

the university, Fawcett said.

In addition, the state budget provides \$415,000 less than Cornell sought to meet accessory instruction costs. Accessory instruction costs are the expenses incurred when students in state-supported units take classes in private units and use facilities that are not directly supported by the state. Cornell had requested \$747,000 in accessory instruction support but will receive only \$332,000 under the budget, although officials are hoping for additional money through the SUNY discretionary fund.

The budget does not include support for several new programs proposed by deans of the state-supported units at Cornell, including programs on nutrition and health, and livestock production.

The state-supported units at Cornell are the colleges of Agriculture and Life Sciences, Human Ecology, and Veterinary Medicine, the School of Industrial and Labor Relations, and the Agricultural Experiment Station at Geneva.

Among items included in the final budget are:

— \$305,000 for additional-faculty positions in core programs at the College of Veterinary Medicine, including dental and equine medicine, soft tissue surgery, and medical records.

— \$300,000 in the state Agriculture and Markets Budget to continue the North Coun-

try Agricultural Development Program, which assists farmers in the state's northern-most counties.

— \$200,000 to support Programs for Employee Workplace Systems (PEWS) in the School of Industrial and Labor Relations. The program identifies industries at risk of closing and helps build cooperative employer-employee relationships that might keep the plants open.

— \$200,000 for a Cornell Cooperative Extension program that will provide financial management and other information for farm families through trained counselors and a statewide, toll-free phone number.

— \$350,000 for continuation of an integrated pest management program in the College of Agriculture and Life Sciences. The program could reduce soil and groundwater pollution by coordinating the application of pesticides.

— \$800,000 in continuing support for operations at Cornell's supercomputer center.

— A \$30 million increase in the Tuition Assistance Program (TAP), which this year provided more than \$6 million to Cornell undergraduate and graduate students.

— A \$3.2 million increase in the Higher Education Opportunity Program, which assists economically and academically disadvantaged students. An increase of \$420,000 was appropriated in the final budget, but lawmakers expressed their intent to approve the larger increase and efforts are under way to have the higher amount approved.

Summer College Scholarships For Minorities

Cornell University Summer College will award 12 full scholarships this summer to American Indian and other minority high school students. These full scholarships will be presented to students who demonstrate outstanding academic ability as well as financial need.

The Jerome H. Holland Memorial Scholarships for minority high school students pay tribute to the achievements and contributions of a distinguished alumnus and trustee of Cornell who died in 1985. As an undergraduate at Cornell, "Brud" Holland was named twice an All-American football player.

After earning an M.S. degree from Cornell and a Ph.D. from the University of Pennsylvania, Holland served as president of Delaware State College (1953-1960), president of Hampton Institute of Virginia (1960-1970), and U.S. ambassador to Sweden (1970-1972). He was also a business consultant and board member of several Fortune 500 corporations and a member of the boards of several educational and social welfare organizations, including the American Red Cross.

The two scholarships designated specifically for American Indian high school students honor Jerry M. Rivers, professor emeritus of nutritional sciences, who was a faculty member in the New York State College of Human Ecology at Cornell for 22 years. Rivers has been a member of numerous college and university committees, most notably those concerning minority and Indian affairs. She was active in the development of Cornell's American Indian Studies Program, which held personal importance because of her Cherokee heritage.

Rivers earned a master's degree from Texas Technological University and was awarded a Ph.D. in nutrition and biochemistry from Pennsylvania State University. She is recognized as an authority on vitamin C.

Cornell University Summer College offers high school students a chance to experience life on a college campus and in college courses and to prepare themselves for the adjustment from high school to college.

Participants live and study on campus for six weeks, enrolling in regular freshman-level courses. They carry a full academic load of six to eight credits, which in most cases may be applied later to an undergraduate degree. Elective workshops emphasize writing and study skills and feature an opportunity to learn how to apply to colleges.

In addition to a liberal arts program, Summer College also offers career and academic exploration programs that combine academic coursework and non-credit activities in the fields of architecture, classics, communications, theater arts, engineering, visual arts, biology and the health professions, clinical psychology, and law and the legal professions. Field trips and site visits, seminars, discussions with practitioners, and lectures provide an orientation to these fields.

Cornell's Summer College is open to students who have completed the junior or senior year in high school. Applicants must provide a transcript of high school grades, PSAT or SAT scores, and recommendations from teachers and guidance counselors and they must demonstrate strong academic ability, intellectual interest, and personal initiative.

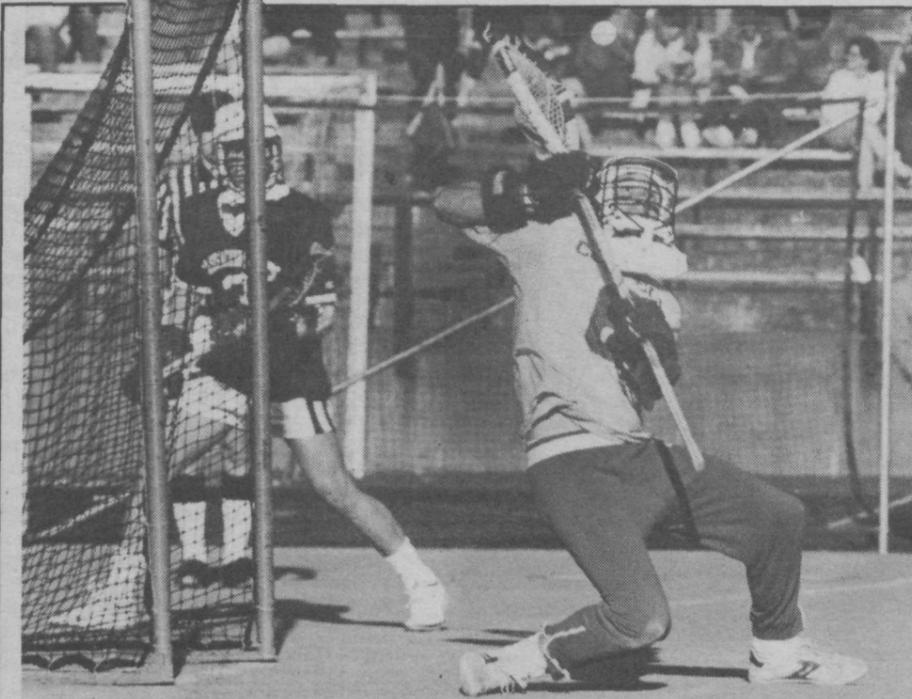
To apply for the Jerome H. Holland Memorial Scholarships or the Jerry M. Rivers Summer College Scholarships, eligible students should contact their high school guidance counselors or request information from Cornell University Summer College, Box N, B-12 Ives Hall, Ithaca, NY 14853-3901, or they may call (607) 255-6203. The application deadline is April 30, 1986.

Panelists to Discuss Race's Role in Planning

William Harris, visiting professor of human service studies from the University of Virginia, will lead a colloquium at noon today in the faculty lounge of Martha Van Rensselaer Hall. His topic will be "The Role of Race in Planning." Harris is a specialist in planning and urban development.

Other members of the panel, titled "Planning in an Environment of Racism," are from the university's Africana Studies and Research Center — Robert Harris on "Afro-American History Toward 2001," and James Turner on "The Black Political Economy." Panel moderator will be Lloyd Street, associate professor of human service studies.

William Harris will be at Cornell today and Friday, and again April 17-19.



Up for a save goes lacrosse goalie Paul Schimoler, a freshman who has a brilliant record this spring with a .639 save percentage.

On Land and Sea, Red Teams Face Opponents This Weekend

By JOHN HERÓN
Sports Information

One if by land, two if by sea. Either way, spring sports teams will have plenty of challenges to conquer in the coming week.

It's definitely a big one for the Cornell men's lacrosse team, which return to Schoellkopf for an extended home stand. The Big Red will entertain Syracuse at 2 p.m. Saturday. At 3:30 p.m. Wednesday, it will be host to Washington & Lee.

On the water, crew also finds itself in the spotlight. After opening its 1986 campaign on a winning note last weekend, the women's varsity crew faces another major challenge this Saturday afternoon on the Cayuga Lake Inlet when it takes on both Princeton and Harvard. The women's squad will be joined by the men's heavyweight crew at home for the first time as it competes against Purdue Saturday afternoon.

In other sports action at home this week,

the men's tennis team will be featured in three matches at the Kite Hill Bubble. The Red will play Brown at 4 p.m. Friday and take on Yale at 2 p.m. Saturday. On Tuesday afternoon, Cornell will play Rochester in a 4 p.m. match. The women's tennis squad will be at Kite Hill at 3:30 p.m. Wednesday to meet Syracuse.

Head coach Richie Moran brings Big Red lacrosse back home after suffering a heartbreaking 9-8 loss to Ivy rival Pennsylvania at Franklin Field last Saturday. The Big Red scored the first two goals of the game and led 5-2 at halftime against Penn, but the Quakers tallied the final three goals of the contest to grab the victory. The loss was Cornell's fourth straight defeat on the road, and its third one-goal setback of the season.

Senior attackman Bill Hughes (8-7-15) and senior midfielder Tom Gundersen (6-9-15) lead the team in scoring. Hughes is tied for the team lead in goals (eight) with senior at-

The Week in Sports

tackman Ed Cook (8-6-14). Cook scored a career-high four goals and added four assists in Cornell's 11-6 victory over Massachusetts last week. The performance marked the highest single-game point output by a Big Red player since his brother, Kevin, scored 10 points against Hobart in 1984. Cook, junior midfielder Kevin Finneran and senior midfielder Frank Kelly each tallied a pair of goals vs. Pennsylvania.

Freshman Paul Schimoler continues to play brilliantly in goal for Cornell. He has allowed just 7.91 goals per game, and has a save percentage of .639. No Cornell goaltender has finished a season with that high a save percentage since 1982.

Syracuse leads the series against Cornell 39-29-1, and the Orangemen won last year's encounter 12-10. The Big Red's last victory against Syracuse was in 1982 when it won 10-5 in Ithaca.

In its season opener last Saturday, the women's crew program achieved a historic first. The rowers defeated Yale (6:41.3-6:42.9) for its first win against the Elis since the series began in 1976. Head coach John Dunn said he likes what he has seen in the early season and the team has some momentum heading into this weekend's race. However, both the Crimson and the Tigers have dominated their previous meetings against

sity action, including Nate Woodard, Ian Storer, Pete Edwards, and Dave Stanton. Senior Ivan Rudolph should also contribute in the first boat along with several promising sophomores. Senior coxswain Eric Spector is also back. The heavyweights hold a 2-0 advantage over Purdue in the series, which began in 1984. The Big Red won last year's race at Cayuga Lake Inlet, 5:49.2-6:18.2.

The men's tennis team fell to 1-7 overall on the year after losing to Columbia (8-1) and Pennsylvania (6-3) last weekend. Freshman Joe Tustin (2-5 in singles play) was the only Big Red player victorious vs. Columbia, winning his match at No. 6 singles, 7-5, 4-6, 6-4. Junior Eric Cruz, who has the team's best record in singles competition at 4-3, was the lone singles winner vs. Penn. He took his opponent in straight sets, 6-4, 6-4. Cruz and senior James Connolly won by default at No. 1 doubles, while junior Brian Siff and sophomore Chris Foley won 6-4, 6-4 at No. 3 doubles. Cruz and Connolly are 3-4 in doubles play, and Siff and Foley have compiled a record of 2-5.

Against this week's opponents, the Big Red has had varying degrees of success. Cornell defeated Brown 6-3 in 1985, but still trails in the series 13-11. Yale has dominated the previous 32 meetings between the two schools, winning 28 times, including last season's hard-fought 5-4 victory. The Big Red have been more successful against Roches-

ter, however. Cornell beat the Yellowjackets 7-2 last year to improve its series lead to 15-4.

The women's tennis team will also return home after a six-game road trip. The squad lost to Columbia (7-2) and Pennsylvania (9-0) last weekend, dropping to 4-3 on the season. Junior Cynthia Cummis was the team's only singles winner during the weekend, taking her opponent from Columbia 6-1, 6-1. Junior Lauren Levine and sophomore Barbara Prins won a doubles match against the Lions, 1 6-2, 6-1 verdict at No. 2 doubles. Cornell's top unit of sophomore Carolyn Savage and junior Anne Meinig lost two close decisions last weekend, falling to a 4-3 slate as a pair. Sophomore Carolyn Savage, the No. 1 singles player, is now 3-4 on the year, while sophomore Linda Manaster has a 4-3 record at No. 2 singles. Cornell first played Syracuse in 1985, taking an 8-1 decision.

Brief Reports

Two Lectures Will Deal With Jewish Identity

Two different aspects of Jewish identity will highlight the Hillel program the weekend of April 11.

At 8:15 p.m. Friday, Pinchas Hacohen Peli, professor of Jewish values at Ben Gurion University in Beer Sheva, Israel, visiting this semester in the Near Eastern Studies Department, will speak on "Jewish Pluralism: The Limits of Ahavat Yisrael."

The Hebrew phrase "ahavat yisrael" refers to the traditional concept of love for fellow Jews, and Peli will offer his perspective on the divisions that exist in contemporary Jewish life.

Sunday, April 13, the Hillel Grad Group will sponsor a lox and bagel brunch at 11 a.m. Deborah Hertz, of the SUNY Binghamton History Department will speak on "Romantic Love and Emancipation for Jewish Women in Eighteenth Century Berlin."

The salons of 18th century Berlin offered Jewish women an opportunity for social mobility, at the price of leaving their faith. Hertz's book on the subject is forthcoming from Yale University Press.

Both events take place in the One World Room of Anabel Taylor. For more information call Hillel at 255-4227.

Historian of Science Heilbron to Lecture

Historian of science John L. Heilbron will give a public lecture at Cornell University Tuesday, April 15 on the topic "The Geometrical Spirit in the Late Enlightenment."

His talk, part of his activities as one of Cornell's Andrew D. White Professor-at-Large, is scheduled for 4:30 p.m. in the Hollis E. Cornell Auditorium of Goldwin Smith Hall.

During his stay on campus April 14 through 18, Heilbron will be available to students and faculty at his office in 437 McGraw Hall, telephone 255-6742.

Recognized as one of the world's leading historians of science, Heilbron is on the faculty at the University of California at Berkeley, where he is also director of the Office for

History of Science and Technology.

He has played a leading role in the formation of Cornell's newly established Program on the History and Philosophy of Science and Technology.

Program on Radiation Offered Three Times

A one-hour program called "Working Near Radiation: Your Questions Answered?" will be offered three times in April by the Cornell Office of Environmental Health.

The program is directed to technicians, graduate students and others who work in laboratories where radiation is used — but who do not work directly with radiation, according to Robin Goodloe, environmental hygienist in the OEH.

"We will address concerns of workers who feel they may be accidentally or indirectly exposed to some radiation on the job, and who have questions about the nature of radiation, its effects and risks," Goodloe said. The film "Is It Safe?" and a hands-on exercise with a Geiger counter are included in the program.

Scheduled times and places for the radiation safety program are 2 p.m. Tuesday, April 15, in Room 135 Emerson Hall; 10 a.m. Wednesday, April 16, 100 Savage Hall; and 2 p.m. Wednesday, April 23, G-3 Veterinary Research Tower.

The Office of Environmental Health also offers training for those who work directly with radiation, as well as for those working elsewhere in buildings where radiation is used. More information is available at 255-4862.

Mime Show Saturday For Area Children

A children's Mime Show, sponsored by Willard Straight Hall, will be performed at 3 p.m. Saturday, April 12, in the Memorial Room of Willard Straight Hall.

This theatre program is free to all children in the Cornell and Ithaca communities. It will feature Aesop's Fables, educational stories, fairy tales and an explanatory showcase of what mime is.

The show is free. For further information call Michelle Falk at 255-9507 or 255-4311.

Cornell Bicycle Race To Be Run on Sunday

The Cornell bicycle race, one of many preliminaries to the Eastern Collegiate Cycling Federation championships to be held in New Hampshire April 27, will be run starting at noon Sunday, April 13.

Collegiate racing is open to any student, professor or worker at a college in the ECCF. A college ID is required.

The Cornell race will start at the corner of Ringwood and Midline Roads in Dryden, down Midline to Irish Settlement Road, onto Route 79 in Slaterville springs, west to Ellis Hollow South Road (a climb), then onto Ringwood Road (a big climb), finishing near the start. Course length is eleven miles. The men's A race is three laps, men's B race two laps and the women's race one lap.

Israeli Novelist Yehoshua Will Lecture April 16

Israeli novelist A. B. Yehoshua will give a public lecture on "The Israeli Writer Confronting His Society," at 8 p.m. Wednesday, April 16, in Kaufmann Auditorium of Goldwin-Smith Hall.

Yehoshua is the author of "Three Days and a Child" and "The Lover," as well as a number of short stories. His most recent novel, "A Late Divorce," has received wide critical acclaim.

In addition to his fiction, he has also written essays on Zionism and on related issues in contemporary Jewish life. He is a professor at Haifa University, and has been actively involved in the Israeli peace movement.

His visit to Cornell is sponsored by the B'nai B'rith Hillel Foundation as one of its Marjorie and Irwin Nat Pincus Lectures, in honor of Anne Pincus, Cornell '74. Additional support is from the Oliphant Fund of Sigma Phi Fraternity, the Student Finance Commission, and Ithaca Friends of Israel.

SAGE CHAPEL

Law Professor to Talk, Of 'Death with Dignity'

Larry I. Palmer, professor of law in the Cornell Law School, will preach at Sage Chapel at 11 a.m. Sunday, April 13. His sermon topic will be "The Pain of a Death with Dignity."

Palmer graduated from The Phillips Exeter Academy, received an A.B. degree, cum laude, from Harvard University, and an LL.B degree from Yale Law School.

Palmer was associate professor in the Cornell Law School from 1975 to 1979, when he was named professor. He served as vice provost at Cornell from 1979-1984 and was a visiting fellow at Clare Hall at Cambridge during 1984-85.

Palmer has had several articles published including: "Dealing with Terminally Ill Patients: An Institutional Approach."

Music for the service will be provided by the Sage Chapel Choir under the direction of Donald R. M. Paterson, university organist and Sage Chapel choirmaster.

Libraries to Produce Serials Catalog

Cornell University Libraries has been awarded \$7,817 from the State Library through the South Central Research Library Council to produce a microfiche catalog of its serials listed on the Research Libraries Information Network.

The proposed list, containing records for approximately 70,000 serial titles will be produced during the summer of 1986 and will include entries for more than 40,000 currently received titles and close to 30,000 retrospective titles. Serial titles located at all of the Cornell Libraries on the Ithaca campus will be included. The microfiche catalog will be produced through the RLIN Report System from a "snapshot" of Cornell's serials file. Copies will be provided to all libraries in the South Central Research Library Council.

Overseeing the project at Cornell will be Elaine Walker, serials librarian.