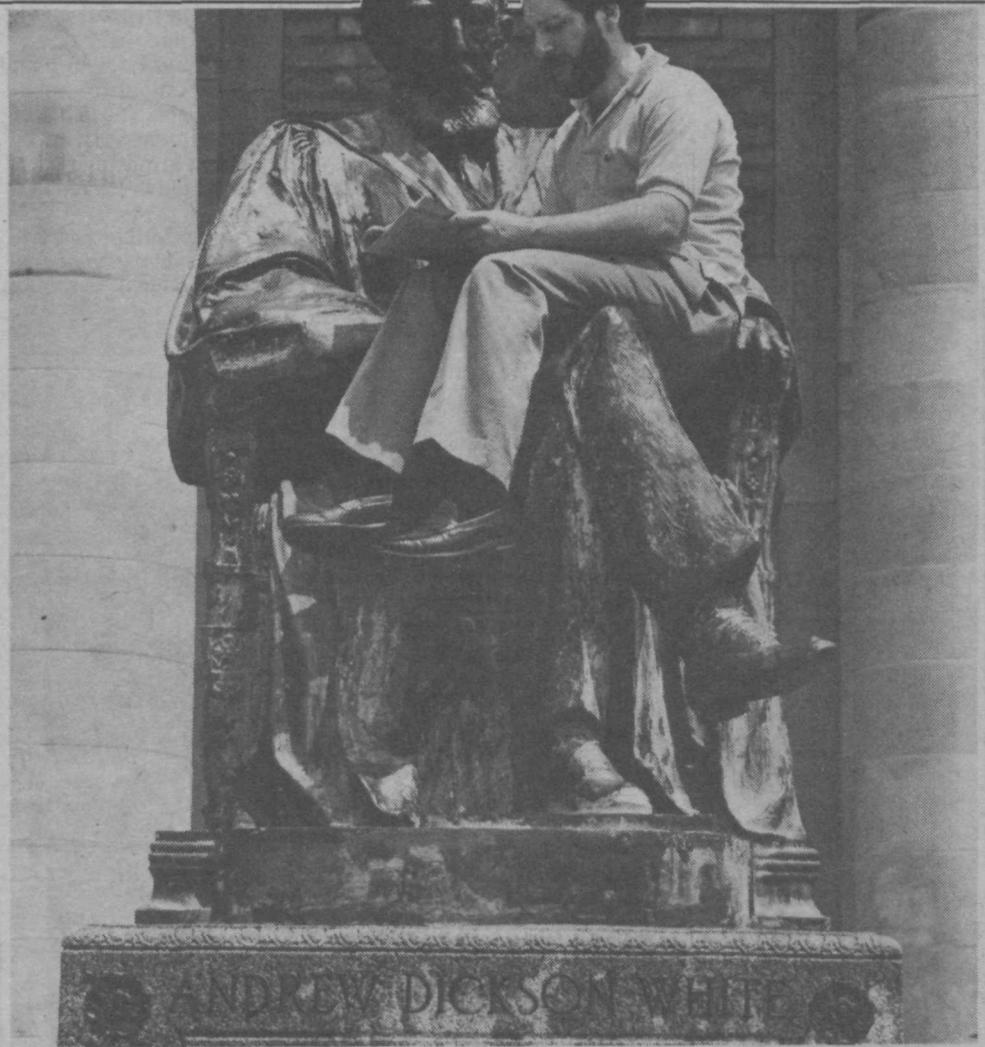
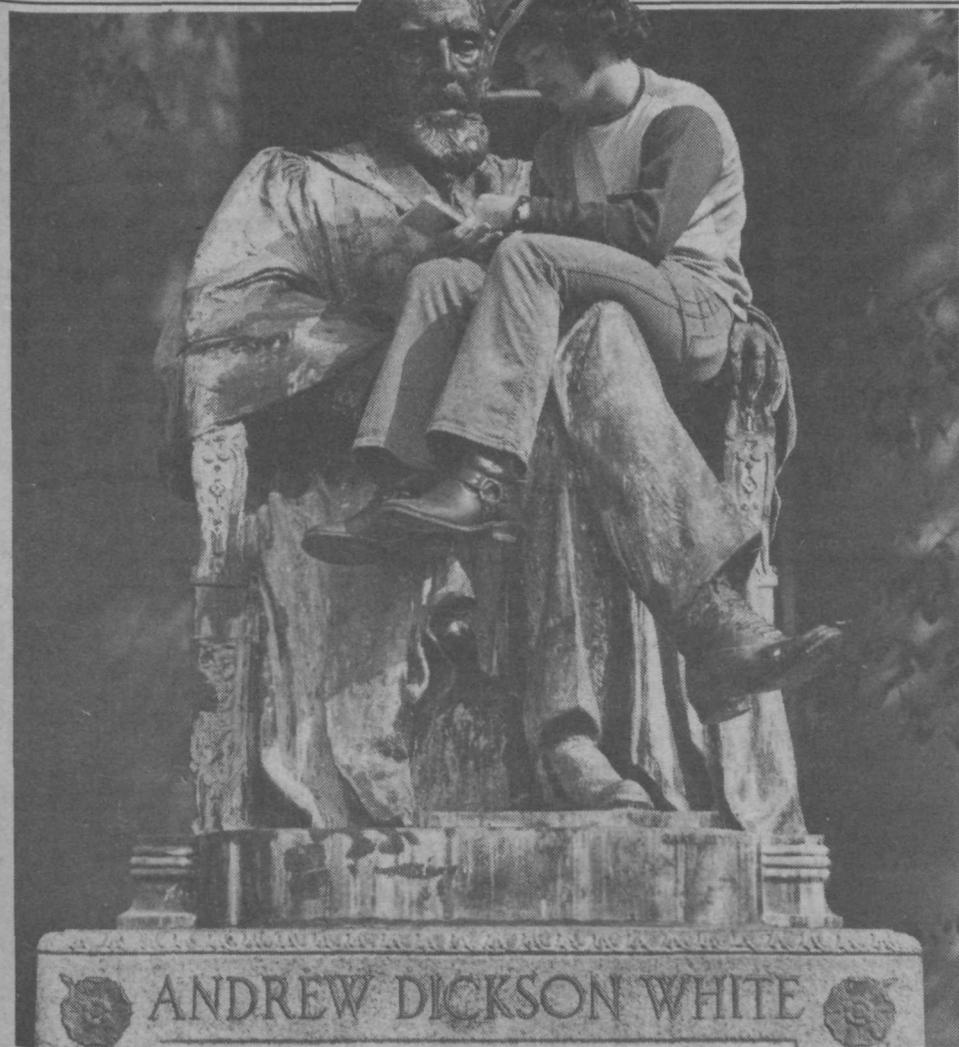


# Cornell Chronicle

Volume 15, Number 5

Thursday, Sept. 22, 1983



## 'Friend and Counselor,' 10 Years Later

Andrew Dickson White, first president of Cornell, whose statue on the Arts Quad bears the legend, "Friend and Counselor," became just that for Kevin Kramer in 1973 (left). At that time he was, in his words, "a

professional student and a second-generation townie, whose father, Sam Kramer, owned Sam Kramer's Auto Finishes." This year, during a 10th anniversary trip back, Kramer had his photograph taken once more in the same

place. He is now, he writes, "a political consultant in market opinion research" in Detroit, Mich., and now has a Ph.D. in political science. (Watch for the next installment of this series in 1993.)

## Rhodes Outlines Four Goals for Year Ahead

### Research, Grad and Undergrad Programs, Quality of Life Listed

President Frank Rhodes offered four goals for the coming year during his annual State of the University address to the faculty last week. He said that he stated these goals, "as propositions and not as fiat... as guiding principles, and not as operating instructions."

As such, they deserved discussion, not least because their implementation would be in large part at the departmental and college level, rather than the university level. They had to be seen as outcomes of general goals of quality, diversity, and commitment to wider public service, he said.

The president's first goal was to undergird and strengthen the research of the university, and with it the quality of graduate education. He cited a need not only for an adequate level of support for the library, but also for a strategy for acquisitions, facilities and services which is realistic in the light of overall budgetary expectations and academic priorities.

He also stressed the need to continue to develop computer facilities campus wide and to rehabilitate and add facilities for research on the campus, including especially in biotechnology, computer science, nutritional science, agriculture and life sciences, and veterinary medicine.

Strengthening the research foundation of

the university will also mean far more energetic efforts to solicit the support of industry he said, noting that Robert Barker, the new vice president for research, is now inviting applications for an associate vice president to coordinate that effort.

"But we clearly cannot do everything, and we must establish priorities together by building on strengths that already exist where these coincide with wider university goals," Rhodes said. He stressed that basic strength must be a requirement for the continuing existence of any program on campus and that Cornell must be unwilling to accept weak or unsatisfactory departments anywhere on campus. And that's a principle that is as applicable at the department level, at the college level, as it is at the university level, he said.

The president's second goal was to improve the standing of four of our graduate and professional programs, bringing them into the top echelon with their peers. One of these, veterinary medicine, is there already, he said, but inadequate state support represents a serious concern. The three other programs, law management, and medicine, all need additional support, though he said that support takes different forms.

His third goal concerned undergraduate

programs, and the graduates they produce. He offered three educational objectives in this area. The first, and most fundamental, is that excellent opportunities should exist for students in whatever major they choose. "But departments have to face up to the hard questions. What does it really mean to have a superior program in this day and age in my particular discipline or in my particular area? And what is it going to mean 10 years from now in the new faculty appointments we are about to make in the level of funding for various areas in the library?"

President Rhodes also suggested that Cornell rethink the international component of undergraduate education. "Our students should be characterized by an openness to the world in which they live, and to an awareness of and sensitivity towards its needs and its opportunities. The worst solution would be to rush out and create three Cornell Abroad programs — one in Paris, one in London and one in Vienna. What we ought to do, however, is to make it much easier and much more accessible than it now is for our students to study in dozens of different places of their choice. At the moment enormous initiative in most colleges — not all, but in most colleges — has to be taken by the student," he said.

The president called for a greater emphasis on the humanities in the education of all students. "I hope our graduates will be men and women who have an ethically based commitment to the practice of their careers and indeed to the pursuit of their wider interests," he said, adding that although graduates in the College of Arts and Sciences have excellent exposure to the humanities, whatever their particular disciplinary interest, that is less true in other schools and colleges. He asked the faculty members in other schools and colleges to consider whether it is reasonable for students to graduate with what he called a slender foundation in the humanities.

The president's fourth goal is to make a deliberate effort to improve the quality of campus life. "That sounds an almost hopelessly vague phrase until you translate it into operational terms," he said. "But it means building the Center for the Performing Arts; it means adding another hall of residence, built, I hope, around a more influential role for faculty members in residential accommodation; it means supplementing athletic facilities, but most of all it means building better relationships between people — students, faculty and staff. It means encouraging the respect, civility and sensitivity of campus relations in all their dimensions."

# Cornell to Convene Acid Rain Symposium in Albany

## Scientists from Many Fields Will Attend 2-Day Event

Acid rain's effects on agricultural crops, buildings, trees, lakes and fish; methods for "fingerprinting" airborne pollutants; and the economics of pollution control measures will be among the topics discussed when scientists from a variety of fields gather at the Second New York State Symposium on Atmospheric Deposition Oct. 26 and 27 in Albany.

More than 30 speakers are scheduled for the two-day meeting at the Hilton Hotel. The symposium is sponsored by the Cornell

University Center for Environmental Research, the New York State Department of Environmental Conservation, the Boyce Thompson Institute for Plant Research and Cornell's New York State College of Agriculture and Life Sciences and New York State Agricultural Experiment Station.

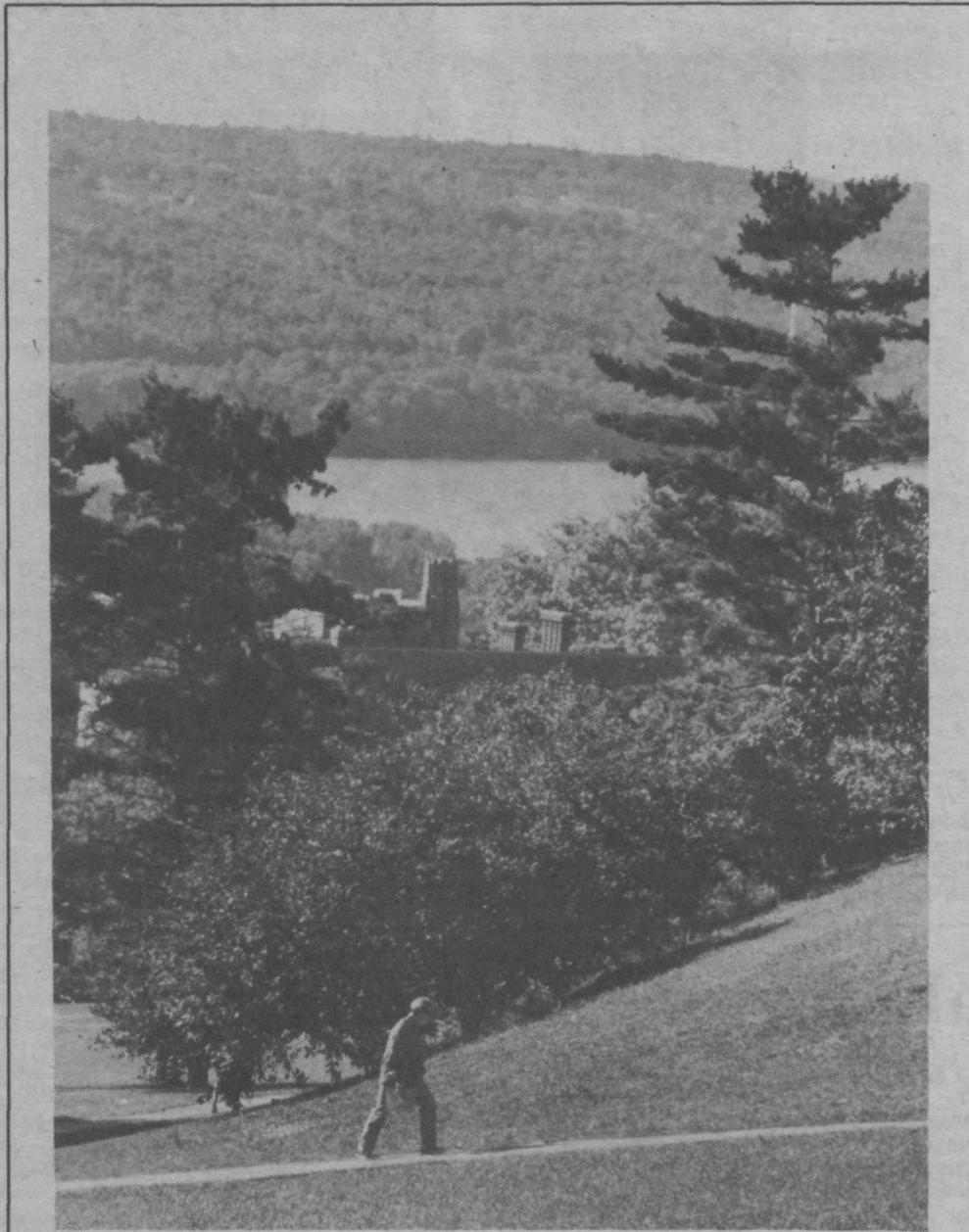
The first symposium on atmospheric deposition research was held in Ithaca in January 1982.

Discussing their findings will be researchers from the Atmospheric Sciences

Research Center at SUNY Albany, Boyce Thompson Institute, Brookhaven National Laboratory, Clarkson College of Technology, Colgate University, Cornell University, Manhattan College, the New York State Departments of Environmental Conservation and Health, Rensselaer Polytechnic Institute, Russell Sage College, Smith College, SUNY Buffalo, SUNY College of Environmental Science and Forestry and Syracuse University. Presentations are also scheduled by the Acid Rain Foundation, the Acid Rain Information Clearinghouse and the Center for Environmental Research at Cornell.

"The symposium will focus on new approaches that can more clearly establish cause-and-effect relationships as well as new information that advances knowledge, alters our understanding, contradicts current beliefs or suggests policies for pollution control," according to Lyle S. Raymond Jr., a water resources information specialist at the Center for Environmental Research and one of the symposium organizers.

Further information on the symposium is available from the Center for Environmental Research, 468 Hollister Hall, Cornell University, Ithaca, N.Y. 14853.



The hills are alive with the sounds of, in this case, panting, as students either acquaint or re-acquaint themselves with the business of climbing either to or from classes, or both.

## Cornell Chronicle

Editor, Randall E. Shew. Staff writers, H. Roger Segelken, Robert W. Smith, Barbara Jordan-Smith, Martin B. Stiles. Photographers, Sol Goldberg, Charles Harrington. Circulation Manager, Joanne Hanavan.

(USPS 456-650)

Published weekly during the academic year and once each in June and August. Distributed free of charge to Cornell University faculty, students and staff by the University News Bureau. Mail subscriptions, \$13 per year. Make checks payable to Cornell Chronicle and send to Editorial Office, 110 Day Hall, Ithaca, N.Y. 14853. Telephone (607) 256-4206.

Second-Class Postage Rates paid at Ithaca, N.Y.

POSTMASTER: Send address changes to the Cornell Chronicle (USPS 456-650), Cornell University, 110 Day Hall, Ithaca, N.Y. 14853.

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.

## Adirondack Fishery Research To Be Directed by Cornellian

The prospect of catching trout in a crystal-clear lake in the Adirondack Mountains of New York state in recent years has been limited. Of some 2,800 lakes and ponds in the Adirondacks, more than 200 have been identified as too acidic to support fish life, and another 400 are considered endangered.

That prospect may improve, however, in part because of a \$100,000 challenge grant from the Prescott Foundation of Cleveland, Ohio. The gift, and the matching funds it will generate, have established the Adirondack Fishery Research Fund in support of research at Cornell to counteract the decline of trout and other recreational fish in Adirondack lakes.

Such research is under the direction of Dwight A. Webster, professor of natural resources in the State College of Agriculture and Life Sciences at Cornell. For more than 30 years, Webster and his colleagues have worked to improve recreational fishing that has deteriorated because of intrusions on the delicate ecology of the area, including lumbering, overfishing, and the careless introduction of nonnative species of fish.

"The fragility of this area demands sensitive and innovative fish management," Webster explained recently.

"Acid rain has brought new problems to an already ecologically damaged area. The Adirondacks are especially vulnerable to this pollution because the ancient rocks and shallow glacial deposits lack adequate acid-neutralizing materials," he said.

Solutions to the problems being investigated include the liming of selected lakes, acclimation of hatchery fish to acidified waters before stocking, and attempts to develop a more acid-tolerant strain of brook trout.

Cornell researchers already have developed a hardier hatchery-reared fish, a cross between the Temiscamie, a long-living Canadian brook trout, and New York state's domesticated strains. This combination exhibits increased vigor and survives as well as wild fish.

Webster concluded: "A new strain of acid-tolerant trout is not an ultimate answer to the international problem of acid rain. It is, at best, a short-term measure."

## Urban and Regional Studies Program Now Operates as Part of CISER

The Program in Urban and Regional Studies at the university is now operating through the auspices of the Cornell Institute for Social and Economic Research, according to Robert McGinnis, director of CISER.

The program has long been affiliated with the College of Architecture, Art and Planning and that college's Department of City and Regional Planning. McGinnis said the new affiliation came about through the mutual agreement of the late Jason L. Seley, dean of the school of architecture; Sidney Saltzman, chairman of city planning; and Barclay Jones, new director of the program.

McGinnis said the program's multi-disciplinary approach through its faculty members in various colleges and schools on campus fits the purposes of CISER. CISER was established in 1981 "to enhance and coordinate widely dispersed research activities in the social sciences on campus."

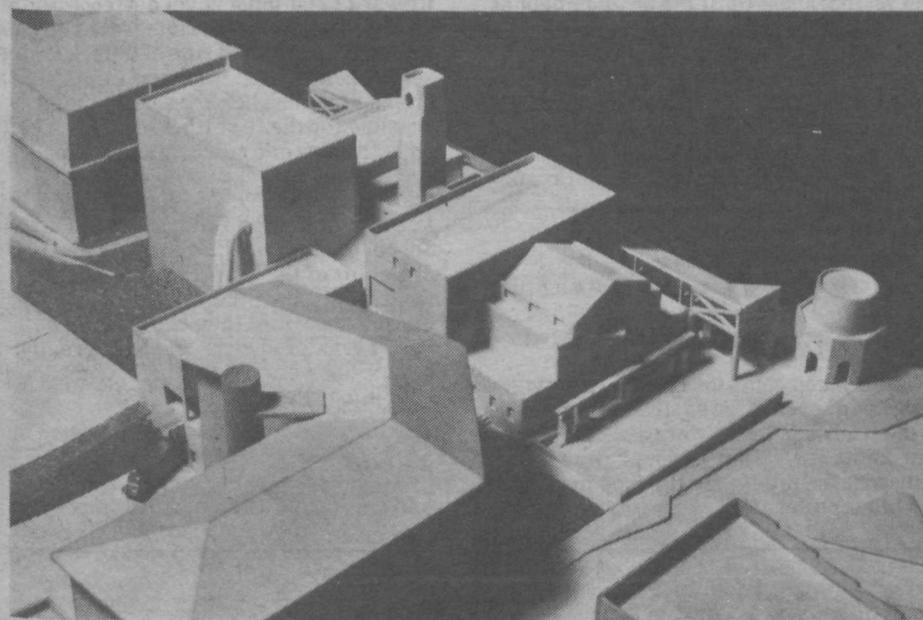
McGinnis said, "I am pleased to have PURS as a CISER program. PURS has a long and distinguished history at Cornell tracing its roots to the Housing Research Center established by the late Glenn H. Beyer in 1951. Subsequently, it was reorganized into the Center for Housing and Environmental Studies, then the Center for Urban Development Research and finally as PURS in July 1976. It maintains a strong tradition of research in this area at Cornell."

The program's faculty steering commit-

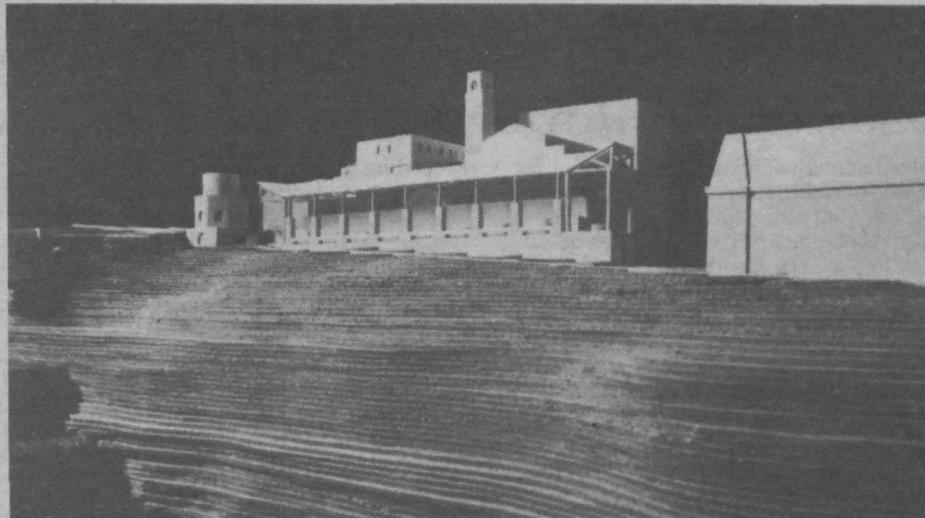
tee includes: Paul R. Eberts, rural Sociology; Edward S. Flash Jr., management school; Anne B. Shlay, consumer economics and housing; William R. Sims Jr., design and environmental analysis; Jerry A. Wells, architecture, and Phil Schoggen, human development and family studies.

In recent years PURS research activities involving faculty from a number of departments in several colleges have covered a broad range of subject areas including; disaster mitigation studies, energy conservation and policy studies, environmental health, environmental psychology, history of urban development, international regional development planning, regional science and urban studies.

A seminar series is being held this fall to identify research opportunities and communicate research results. Individuals interested in PURS should contact Nat Stalnaker at 6-4801 for further information.



Copyright, John Donat Photography, London



## Performing Arts Design Drawings

Design development drawings and models of the new Performing Arts Center were presented to trustees and campus groups last week by architects James Stirling and Michael Wilford.

At the upper left is a cutaway model of the proscenium theater which will seat approximately 500 and be used for theater, dance and chamber opera performances. At upper right is a view of the center looking across Cascadilla Gorge from the northwest. At lower left is the model of the center in its Collegetown setting: Sheldon Court is in the left foreground, Cascadilla Hall in the left background.

At lower right is a view from the west through the center's loggia, a promenade approach with spectacular views across the gorge. Part of the loggia will be glass enclosed to provide an all weather lobby leading to a central foyer. In the foreground here is the entrance to a spiral stair which descends to adjacent footpaths.



# Students, Community Discuss Noise, Drinking

## Meeting Broadens Discussion of Recurring Problems

Loud noise, drinking, unkempt property and unlawful parking were discussed during a meeting last week of Cornell Heights residents and the presidents of a number of fraternities and sororities on campus, in addition to university and city officials.

Towards the end of the two-hour session at Seal and Serpent on Thurston Avenue one student remarked that "the importance of a meeting like this is that it makes you aware that you are part of a larger community not just the university."

During the meeting, marked by its civility, it was pointed out that the residents of the area have understood for years that

noise and parties, particularly Saturday nights go with fraternities and student life but that in the past two years "things have gotten out of hand."

For example, loudspeakers in windows directed out of doors while everyone is inside, stereos turned up at 1 a.m., (to celebrate the completion of studies, as one sorority member explained.)

The meeting was conducted by Fifth Ward Alderman Daniel L. Hoffman and called jointly by Hoffman, Dean of Students David Drinkwater and Ithaca Police Chief James Herson, who were all present.

All three emphasized that the purpose of

the meeting was to open dialogue among the students and residents and create an atmosphere of understanding of what the local laws are and of the university's powers in dealing with the issues.

An immediate result is that the Dean of Students Office will make available to residents on request a list of the telephone numbers of the various presidents of the fraternities and sororities in the area.

The presidents of these organizations present said they would appreciate phone calls from residents when things "get out of hand."

It was made clear by Herson on more

than one occasion that the presidents of the organizations are legally responsible and subject to legal action for violations of the law by members of their organizations.

While noise is an important and constant issue, he said a growing problem and one filled with potential disaster is the serving of alcohol to underage partygoers.

Drinkwater said the Dean of Students Office is taking a number of steps to help students understand they are also a part of the local community as well as the university. He said he was open to suggestions as to how this goal could be better achieved.

# Rhodes Named to Gannett Foundation Board

President Frank Rhodes was elected a trustee of the Gannett Foundation in Rochester on Tuesday.

Founded by the late Frank E. Gannett, an 1898 graduate of Cornell, the foundation is the 14th largest in the nation. It contributes to local charitable causes in more than 100 communities in the United States and Canada served by Gannett newspapers, broadcast stations and outdoor advertising companies. Its primary national interest is journalism, education and professionalism.

Elected a trustee with Rhodes was Madelyn P. Jennings, senior vice president, personnel and administration for the Gannett chain.

Jennings and Rhodes were elected by the foundation's trustees, meeting at foundation headquarters. They fill a vacancy and a new trusteeship on the board, which was increased from 15 to 16 members.

Jennings directs all "people programs" for the company, is a member of the Gannett Management Committee and is one of the highest ranking female executives of the

nation's top 500 corporations. Born in Saratoga Springs, N.Y., Jennings was graduated in 1956 from Texas Woman's University, which has given her an Outstanding Alumnae Award.

Rhodes also serves on the boards of the Carnegie Foundation for the Advancement of Teaching, Memorial Sloan-Kettering Cancer Center and New York Hospital-Cornell Medical Center in New York City and Continental Group, Inc.

He has been president of Cornell since 1977, as well as professor of geology and mineralogy.

From 1951 to 1977, he served on the faculties of the Universities of Illinois, Durham (England), Wales and Michigan. At Michigan, he was also dean of the College of Literature, Science and the Arts, 1971-74, and vice president for academic affairs, 1974-77.

Rhodes has written or co-authored five books and more than 60 major articles and monographs on geology and paleontology.

# Semiconductor Membranes Less than 1 Micron Thick

## Submicron Facility Scientists Develop New Technique

A new technique for making semiconductor membranes less than one micron in thickness but still capable of being used in small electronics devices has been developed by three researchers in the National Research and Resource Facility for Submicron Structures (NRRFSS), located here.

Called damage-limited etching, the process is expected to enable researchers to investigate faster, more energy-efficient devices and integrated circuits on both sides of any semiconductor material, and may prove to be an important precursor to three-dimensional integrated circuits.

The new process is the work of Kevin C. Lee, a graduate student in applied and engineering physics; John Silcox, professor of applied and engineering physics; and Charles A. Lee, professor of electrical engineering. Damage-limited etching has produced extremely pure semiconductor membranes one-tenth of a micron in thickness.

"This new technique is an excellent example of using energy beams (in this case, an ion beam) to create new submicron structures or forms of materials,"

according to Edward D. Wolf, Cornell professor of electrical engineering and director of NRRFSS. "This technique offers the exciting opportunity to study three-dimensional devices and circuits without the troublesome substrate capacitance which is often a speed limiting parameter."

### Background

One micron equals one millionth of a meter, or about one-hundredth the diameter of a human hair. The National Research and Resource Facility for Submicron Structures (NRRFSS) is the only microstructure science laboratory at an American university that is available to visiting researchers from other universities, government and industry. Established and funded at Cornell by the National Science Foundation, NRRFSS has as its goal the advancement of submicron fabrication technology through research and advanced education. "Although the integrated circuits in modern computers perform their tasks with great speed, they are not as fast as they could be," says Kevin C. Lee in explaining the motivation for the research. "Since these electronic devices rely upon the transfer of electric charges

for their operation and since the wafers upon which they are made are so thick — normally about half a millimeter — the electrons pour into the semiconductor from metallic contacts in much the same way that water flows from a hose into a deep bucket. The bucket has to fill before the water can flow out the top; likewise, it takes a relatively long time for electrons to flow from one contact to another on the surface of the semiconductor wafer."

### Making a Shallow "Bucket"

One way of reducing the time required for the transfer of electrons — and thus increasing the speed of devices — is to make the substrates on which the circuits are made much thinner. In the analogy with the bucket, this corresponds to making the bucket shallower, so that it fills faster.

Few techniques exist for making such thin membranes. Until the development of damage-limited etching, the techniques were applicable only to specific semiconductors and either produced relatively thick membranes or required the introduction of large quantities of chemical impurities in the semiconductor.

Damage-limited etching does not require

the introduction of large quantities of chemical impurities, produces thinner membranes of higher quality material than any existing technique, and is not specific to any semiconductor material known today. The manufacturing process can be automated because it is self-limiting and uses standard, readily available technology."

### The Future

The researchers have applied for a patent on the process, and are now investigating the electrical, mechanical and chemical properties of the thin membranes. Because the membranes are so fragile, the researchers are also developing new techniques for making small integrated circuits on them. In addition to making conventional integrated circuits on the thin membranes, the Cornell researchers are looking forward to building novel device structures on their films. Current integrated circuits are built on only one side of a thick wafer of semiconductor; the damage-limited etching membranes are so thin that it is possible for the first time to build circuits on both sides of a silicon membrane. One such device is the opposed gate-source transistor (OGST), developed by Charles A. Lee and G. Conrad Dalman of the Cornell School of Electrical Engineering and John J. Berenz of the TRW Defense and Space Systems Group. Studies of OGST devices at Cornell show that they can operate at vastly greater speeds, and with greatly reduced power consumption, compared with integrated circuits of today.

## Scientists Here Develop New Minced Fish Process

America's fishing industry has been dumping an enormous amount of nutritious meat that could be recovered from boney frames after filleting.

Helping the industry tap this potential "gold mine" from the sea are scientists at Cornell who have overcome one of the hurdles blocking rapid development of a minced fish industry in this country.

Using super-low, sub-zero temperatures, they have stored fish in tip-top shape for extended periods of time. Previously, minced fish meat recovered from fish frames deteriorated in quality after a month or two.

This Cornell finding now makes it possible for the fishing industry to produce minced fish on a large scale and provide it to the food processing industry all year long.

The meat that can be recovered from fish frames could amount to millions of tons annually, according to Joe M. Regenstein, a food scientist in the State College of Agriculture and Life Sciences at Cornell.

In the New York City area alone, for example, filleting operations currently produce several million pounds of flounder frames each year, which end up as a food for mink or household pets. Little of this material is put to use for human consumption.

Regenstein estimates that, on average, 15 percent of the total flesh can be recovered from the frames, and the amount of recoverable meat nationally could be enormous.

A mechanical deboning machine is used to squeeze meat off the bones. As headed and gutted fish frames are fed into the device, the pressure between the belt and a metal drum pushes the flesh through the small holes of the metal drum, while keeping out the bones, scales, and skin.

Pound for pound, minced fish is more nutritious than red meat, and as high in protein and lower in fat, and what fat remains is largely polyunsaturated, Regenstein points out.

One of the major stumbling blocks that has hampered development of a minced fish industry here has been the fact that minced fish meat, unlike fillets, loses its quality rapidly under ordinary cold storage conditions.

"In a month or two," Regenstein says, "the meat became spongy and rubbery. When cooked, it was too dry and tough"

To solve the problem, Cornell researchers lowered the thermostat

drastically — all the way down to -40°F. After five months of storage at this temperature, minced cod meat used in the experiments was transferred to a conventional cold storage unit set up to operate at temperatures slightly higher than the commercial practice that ranges from about zero to -5°F. It is this early deep freezing

that stabilizes the quality of the minced fish.

"After deep cold storage, the meat will not go bad, even after another two months in the traditional cold storage," Regenstein points out. "That's enough time to transport the product to the food industry and other outlets."

## Cornell University Libraries

### Schedule of Hours\*

Fall Semester\*\* — Aug. 31, 1983 through Dec. 22, 1983\*\*\*

LIBRARY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Africana	9A-9P	9A-9P	9A-9P	9A-9P	9A-5P	1P-5P	2P-9P
Alternatives	9A-5P	9A-5P	9A-5P	9A-5P			11A-1P
122 Anabel Taylor	8P-10P	8P-10P	8P-10P	8P-10P	9A-5P	closed	8P-10P
B & PA	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	9A-8P	12N-12M
Engineering	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	12N-5P	1P-11P
Entomology	10A-4P	10A-4P	10A-4P	10A-4P	10A-4P	12N-4P	closed
Fine Arts	7P-9P	7P-9P	7P-9P	7P-9P	10A-4P		
Fine Arts	9A-11P	9A-11P	9A-11P	9A-11P	9A-6P	10A-5P	1P-11P
Hotel #	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	12N-4P#	1P-11P
I & LR	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	10A-5P	1P-11P
Law	8A-11P	8A-11P	8A-11P	8A-11P	8A-7P	9A-5P	12N-11P
Mann	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	10A-6P	11A-12M
Mathematics	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	11A-4P	1P-11P
Music	9A-11P	9A-11P	9A-11P	9A-11P	9A-5P	12N-5P	2P-11P
Olin	8A-12M	8A-12M	8A-12M	8A-12M	8A-6P	9A-6P	1P-12M
Physical Sciences	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M
Uris	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	12N-12M
Veterinary	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	9A-5P	1P-11P

\*Except for Christmas and Intersession when special schedules will be issued.

\*\*Labor Day, Sept. 5: All libraries open.

\*\*\*The last day of this schedule may vary with changes in schedule of final exams.

# Hours may vary during study and exam week. Changes will be posted.



### *The Eyes Have It*

Chemistry students in Baker Laboratory are visible evidence that safety glasses are a necessary accessory in most laboratories.

## A Quincentenary Symposium on Martin Luther

A quincentenary symposium on Martin Luther will be held here later this month, featuring speakers from Cornell and other universities as well as an exhibition of Luther's writings and related materials.

At 3 p.m. Friday, Sept. 30, Cornell Collegium Musicum, directed by John Hsu, will present a program of Music of the Reformation in Hollis E. Cornell Auditorium, Goldwin Smith Hall, the site of all symposium programs.

David Steinmetz, professor of theology at Duke University Divinity School, will speak at 3:30 p.m. about "Luther on the Freedom

of Human Will: A Reformation Controversy in Medieval Perspective." At 5 p.m., Sander Gilman, professor of German literature at Cornell, will speak on "Luther and the Self-Hating Jews."

At 9 a.m. Saturday, Oct. 1, Carl Christensen, history professor at the University of Colorado, will lecture on "Luther and Reformation Art," followed at 10 a.m. by David Sabeau, history professor at UCLA, speaking about "The Reception of Lutheran Doctrine in Village Society."

A 2 p.m. Saturday, Herbert Deinert, professor of German literature at Cornell,

will discuss "Luther and Secular Authority." Hanz Kung of Tugingen University in Germany, will speak at 3:30 p.m. on "Martin Luther: An Ecumenical Challenge."

Besides the lectures, the Olin Library Rare Book Room will host an exhibition of early editions of Luther's writings as well as contemporary woodcuts and etchings and 16th-century documents relating to his career.

Most of the materials to be exhibited are from the collections of A.D. White, one of Cornell's founders, and G.L. Burr, a former

professor of ancient and medieval history and librarian of the President White Historical Library. The exhibit will be open from Sept. 30 to Dec. 21.

The lectures are sponsored by the College of Arts and Sciences, Cornell Religious Work, Medieval Studies Program, Society for the Humanities, University Lectures Committee, Western Societies Program and the Departments of German Literature, History of Art and Near Eastern Studies.

## Colloquium to Explore Business Issues in Campaign

Robert W. Chamberlin, first vice president of the investment firm, Dean Witter Reynolds, Inc. will conduct the second session of the Graduate School of Management's Public Affairs Colloquium series on the overall theme of "Business Issues in the '84 Presidential Campaign."

Open to the general public, the session will be held from 2:30 to 4 p.m. Friday Sept. 23 in Room 251 of Malott Hall.

Chamberlin's specific topic will be "Capital Formation the Constraints of Federal Deficits." Such deficits are seen as "casting a pall over efforts of private and public-

sector decision makers to pursue opportunities of modernization and expansion in a period of high interest rates." Chamberlin will outline various courses of action in dealing with this problem. He is a 1963 graduate of the management school.

Following Chamberlin's talk there will be six additional colloquia during the term, all on Friday from 2:30 to 4 p.m. in Room 251, except Wednesday, Oct. 19, when the session is scheduled from 4 to 5:15 p.m. in Bache Auditorium of Malott Hall. While open to the general public the colloquia are a part of a one-hour credit course at the School of Management.

The first colloquia in the series was conducted Friday, Sept. 16, on the subject "Deregulation - Extent, Emphasis and Expectation."

The schedule for the remainder of the term is:

- Oct. 7, "A National Industrial Policy - An Industry Perspective," Kenneth McLennan, Vice President, Committee for Economic Development;
- Oct. 19 (in Bache Auditorium, 4 to 5:30 p.m.), "A National Industrial Policy - A Democratic Perspective," Joshua Gotbaum, Lazard Freres, Inc.;
- Oct. 21, "A National Industrial Policy

- The Administrations's Perspective," William A. Niskanen, member of the President's Council of Economic Advisers;

- Nov. 4, "International Trade Policy - The Problem of Conflicting Objectives," Brian Turner, Industrial Union Dept., AFL-CIO;

- Nov. 18, "Conclusion - Delineation of Feasible Options," Congressman Matthew F. McHugh;

- Dec. 2, "Wrap Up and Critique," Edward S. Flash Jr., associate professor of public administration, under whose direction the series and course is being conducted.

# Calendar

All items for publication in the Calendar section, except for Seminar notices, must be submitted (typewritten, double-spaced) by mail or in person to Fran Apgar, Central Reservations, 532 Willard Straight Hall at least 10 days prior to publication. Seminar notices should be sent to Barbara Jordan-Smith, News Bureau, 110 Day Hall, by noon Friday 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, colloquia, etc.). ALL DEADLINES WILL BE STRICTLY ENFORCED.

\*—Admission charged.

## Announcements

### Campus Club Tea

The Annual Fall Tea of the Cornell Campus Club will be held noon-2 p.m. Thursday, Sept. 22, in the Robert Purcell Union 1st Floor Lounge. All women connected with Cornell are invited and are eligible for membership, including women who work at Cornell or whose husbands work there, graduate student women and wives of graduate students.

### Coffeehouse

The International Students Programming Board will hold a Coffee House on Thursday, Sept. 22 from 8-11 p.m. in the One World Room of Anabel Taylor Hall. Free and open to the community.

### Classical Dance of India

Bharatanatyam, classical dance of India, by Sunita Ranaswamy, renowned dancer from Bombay, India. The dancer depicts themes from Indian mythology, with precise hand gestures and facial expressions. Performance will be held on Sat., Sept. 24 at 7:30 p.m. in Goldwin Smith Kaufmann Auditorium. Admission \$3. Sponsored by Cornell India Association.

### Tuesday

Sept. 27, 4 p.m. till dark Arts Quad. Women's Encampment for a Future of Peace & Justice: What, Why and How? Uris Hall 202 at 7 p.m. Video tapes, slides, literature, from the Women's Encampment.

### Creative Writing

The Community School of Music and Arts announces two classes in addition to those listed in the Fall Brochure. Classes are Wed. evenings at 7 p.m. from Sept. 28 through Dec. 14. Call Community School of Music and Arts at 272-1474 for information and costs.

### Cornell Aikido Club

Come join the Cornell Aikido Club. Classes: Tues. & Thurs, 7:30-9 p.m. in Barton Hall. Instructors from Central New York Aikikai. Head instructor: Yousuf Mehter, 2nd dan. For further information call Shelley Yogman at 257-6887 evenings. Classes begin Sept. 13, Tues. All are welcome to come practice this fluid self-defense form.

### Sunday

Sept. 25, 4 p.m. Donald R.M. Paterson, University Organist at Cornell University, will give a recital on Sunday afternoon, Sept. 25 at 4 p.m. in the First Congregational Church, 309 Highland Road, in Cayuga Heights. The recital, the second to honor the dedication of the church's newly rebuilt organ, will feature works by French and German composers of the Baroque and Romantic periods. The public is invited free of charge.

### Coming Out

A personal growth workshop to examine the feelings and issues associated with the coming out process for gays. Facilitated by Ritch Savin-Williams. To sign up, call 256-3608 or stop by 103 Barnes Hall.

### EARS, We Hear You

Just want to talk? That's what EARS Counselors are there for. They are trained listeners and are waiting to lend you a free and confidential "ear" to listen to your feelings, help you explore your situation and discover options. EARS Counselors provide non-judgmental, short-term counseling and have access to a wealth of information about other services at Cornell, if appropriate. Walk in to WSH Room 211 or call 256-EARS. Sun-Thurs., 3-11 p.m.; Fri. & Sat., 7-11 p.m.

### Alternatives Library

The Anne Carry Durland Memorial Alternatives Library is located on the first floor of Anabel Taylor Hall. This informal and friendly library contains a wealth of books, tapes, and periodicals on a wide range of topics such as ecology, feminism, spirituality, Native Americans, holistic health, agriculture, life-styles,

communities, politics, etc. Anyone may check out materials, browse or listen to tapes. Hours are 9 a.m.-5 p.m. Monday through Friday and 8-10 p.m. Sunday through Thursday evenings. For more information call 256-6486.

### The Commons Coffeehouse

Anabel Taylor Hall. Hours: Mon.-Fri., 9 a.m.-11 p.m.; Sat., 11 a.m.-5 p.m. and 8 p.m.-midnight; Sun., 11 a.m.-5 p.m. and 7:30-11 p.m. Open when the University is in session.

### Israeli Peace Movement and dissent

A documentary filmed a slide-illustrated talk on the peace movement and dissent in Israel will be presented at 7:30 p.m. Monday, Sept. 26, 110 Ives Hall. Rafik Halabi, Israeli journalist and Druze Arab, is the subject of the PBS Frontline documentary entitled "Israel: Between the River and the Sea." Also, three Israeli members of the Cornell community will report on new developments in the peace movement in Israel, with the aid of slides taken this summer. For further information call Zellman Warhaft at 256-3898.

### Wildlife Damage Control Conference

The Department of Natural Resources and Cooperative Extension are sponsoring a Conference, "The First Eastern Wildlife Damage Control Conference," Tuesday through Friday, September 27-30, at the Sheraton Conference Center Sheraton Inn. There is a fee for the conference, however, Cornell students may attend at no charge. For further information call 256-2114.

### Intramural Sailing (Men, Women, Co-ed)

Deadline on entries is Mon., Sept. 26 at 4 p.m. in the Intramural Office, Helen Newman Hall. Two to enter, Skipper and Crew. Team consists of 2 people. A back-up crew may be registered. Sponsored by the Cornell Varsity Sailing Team. Races will be sailed in 420's. Race will be held Sat. & Sun., Oct. 1 & 2. You must attend the meeting on Fri., Sept. 30 at 4:30 in Helen Newman Lounge. You will not be allowed to participate if you do not attend the meeting (both skipper and crew). Time of race, rules, etc. will be discussed. Entry fee of \$10 due per team, due with your roster to enter. Checks only, payable to Dept. of P.E. & Ath., Intra. Div. Life Jackets must be worn. No refunds after deadline.

### Intramural Broomstick Polo (Mixed-open)

Men, Women, Co-ed. Deadline on entries is Tues., Sept. 27 at 4 p.m. in the Intramural Office, Helen Newman Hall. Due to the fact that entries are limited, entries will be accepted on a first come, first serve basis. One team per organization. A fee of \$20 per team, due with your roster to enter. Checks only, payable to Dept. of P.E. & Ath., Intra. Div. No refunds after deadline. Minimum of 5 to enter. Three constitute a team. Single elimination tournament. Play will be at Oxley Polo Arena. Approximately 3 minutes running time for each game. No substitutions during the game.

## Dance

### International Folk Dancing

Folk Dancers meet every Sunday, 7:30 p.m. in the Willard Straight Hall North Room. Teaching 7:30-8:30 p.m., requests 8:30-10:30 p.m. For information about Wednesday dances, call 257-3156 or 256-7149. Beginners welcome.

## Exhibits

### Olin Library

Witchcraft in Europe, 1450-1750. Books, Manuscripts and iconographic materials from the Witchcraft Collection, assembled by Andrew D. White and George Lincoln Burr. Hours 10:30 a.m.-5 p.m. Monday-Friday, through September 30.

### Herbert F. Johnson Museum

"Cornell University Art Department Faculty Exhibition." Exhibition will consist of a selection of works in various media by current members of the art department faculty, fall semester visiting professors and local professors emeriti. "Spirit and Ritual: Ancient Chinese Bronzes from the Morse Collection" through Oct. 30. This exhibit is part of an exhibition originally organized for the Metropolitan Museum of Art from the private collection of Mr. and Mrs. Earl Morse of New York City. "The Non-Residential Architecture of Frank Lloyd Wright." The Johnson Museum is open to the public Tuesday through Sunday, 10 a.m.-5 p.m. with free admission.

## Films

Unless otherwise noted films are under sponsorship of Cornell Cinema.

### Thursday

Sept. 22, 12:20 p.m. Warren Hall 32. Rural Sociology 104: films of rural communities/cultures in diverse ecological settings; "The Nuer" (Ethiopia). Instructor: John Duedel.

Sept. 22, 8 p.m. \*Uris Hall Auditorium. "Frankenstein" (1931), directed by James Whale, with Boris Karloff, Mae Clark. Also shown: "Bride of Frankenstein" (1935).

### Friday

Sept. 23, 1:20 p.m. Goldwin Smith Kaufmann Auditorium. Asian Studies/Theatre Arts 207: Asian Dance and Dance Drama film: "Bedoyo Pangkur." Refined, quiet dance for women, in abstract patterns, accompanied by gamelan players and singers: Surakarta (Java) style.

Sept. 23, 8 p.m. \*Statler Auditorium. "Sophie's Choice" (1982), directed by Alan Pakula, with Meryl Streep, Kevin Kline, Peter MacNichol.

Sept. 23, 10 p.m. \*Uris Hall Auditorium. "The 18th International Tournee of Animation" (1983).

### Saturday

Sept. 24, 8 p.m. \*Uris Hall Auditorium. "The 18th International Tournee of Animation" (1983).

Sept. 24, 8 p.m. \*Statler Auditorium. "Sophie's Choice."

Sept. 24, 12 midnight \*Uris Hall Auditorium. "Night of the Living Dead" (1968), directed by George Romero, with Judith O'Dea.

### Sunday

Sept. 25, 8 p.m. \*Uris Hall Auditorium. "Closely Watched Trains" (1966), directed by Jiri Menzel, with Vaclav Neckar, Jitka Bendova. Shown with "Generation."

Sept. 26, 9 p.m. \*Uris Hall Auditorium. "The Lodger" (1927), directed by Alfred Hitchcock, with Ivor Novello. Shown with "Blackmail." Limited to Film Club members only.

### Tuesday

Sept. 27, 4:30 p.m. Rockefeller D. Southeast Asia Free Film Series: "Family Life in Malaysia"; "Malaysian River Box"; "Three Families of Malaysia." These three films focus on childhood and family life among several ethnic groups in Malaysia.

Sept. 27, 8 p.m. \*Uris Hall Auditorium. "Love on the Run" (1979), directed by Francois Truffaut, with Jean-Pierre Leaud, Marie-France Pisier.

### Wednesday

Sept. 28, 8 p.m. \*Uris Hall Auditorium. "The Thousand Eyes of Dr. Mabuse" (1960, directed by Fritz Lang, with Dawn Addama, Feter Van Eyck.

### Thursday

Sept. 29, 12:20 p.m. Warren Hall 32. Rural Sociology 104: films of rural communities/cultures in diverse ecological settings; "Boran Herdsmen" (Kenya) and "Boran Women" (Kenya). Instructor: John Duedel.

Sept. 29, 8 p.m. Uris Hall Auditorium. CUSLAR Free Film Series: "The Battle of Chile" Part III, (documentary film). A discussion will follow the film.

### Friday

Sept. 30, 1:20 p.m. Goldwin Smith Kaufmann Auditorium. Asian Studies/Theatre Arts 307: Asian Dance and Dance Drama film: "Lawung Ageng." Dance for men using strong vigorous movements derived from martial arts: Yogyakarta (Java) style.

Sept. 30, 7 p.m. \*Statler Auditorium. "The Man Who Would Be King" (1975), directed by John Huston, with Sean Connery, Michael Caine.

Sept. 30, 10 p.m. \*Statler Auditorium. "Cabaret" (1972), directed by Bob Fosse, with Liza Minnelli, Joel Gray.

Sept. 30, 10 p.m. \*Uris Hall Auditorium. "State of Things" (1983), directed by Wim Wenders. Shown with: "Reverse Angle, NYC."

### Saturday

Oct. 1, 7 p.m. \*Statler Auditorium. "Cabaret."

Oct. 1, 7:30 & 10:15 p.m. \*Uris Hall Auditorium. "State of Things" (1983).

Oct. 1, 10 p.m. \*Statler Auditorium. "The Man Who Would Be King."

### Sunday

Oct. 2, 8 p.m. \*Uris Hall Auditorium. "Jour De Fete" (1948), directed by Jacques Tati, with Jacques Tati, Guy Deumle. Shown with "Gai Dimanche."

September 1983						
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	

### Tuesday

Sept. 27, 4:30 p.m. A. White House. Literature Club presents Professor Helen Regueiro-Elam, Department of English, SUNY Albany lecturing on "Emily Dickinson and the Haunting of the Self."

### Wednesday

Sept. 28, 4:30 p.m. Goldwin Smith Hollis E. Cornell Auditorium. French writer, Monique Wittig will give a talk entitled: "Elements: Reflections on Ideology and Language." Sponsored by the Women's Studies Program and the Dept. of Romance Studies.

Sept. 28, 7:30 p.m. Goldwin Smith Kaufmann Auditorium. Teach-In on National Security Issues: "Is There a Role for Women?" Speakers: Anne Cahn, Director, Committee on National Security, Washington, D.C.; Judith Reppy, Director, Peace Studies Program, Cornell; Jane Sharp, Resident Scholar, Peace Studies. Sponsored by Women's Studies Program and Peace Studies Program.

Sept. 28, 7:30 p.m. Anabel Taylor One World Room. America and World Community: "United Nations, Disarmament and World Peace." Harrop Freeman, Professor Emeritus of International Law; Dorothy Cotton, Director of Student Activities, Department of Unions & Activities.

### Thursday

Sept. 29, 12:20 p.m. 102 West Ave. Southeast Asia Thursday Luncheon Seminar: "Royal Kathin Ceremonies in Bangkok." Christine Gray, Mellon Fellow, Society for the Humanities, Cornell Univ.

Sept. 29, 4:30 p.m. Goldwin Smith 28. Monique Wittig will give a lecture/seminar (in French) on Women's Writing.

Sept. 29, 7:30 p.m. Anabel Taylor Chapel. "The Meaning of Freedom," Swami Dayananda Saraswati. Sponsored by Cornell University Asian Studies Program, Cornell University India Assoc., CRESF. Free and open to the public.

### Friday

Sept. 30, 12:15 p.m. Uris Hall 153. "Women and Work in Britain and Sweden: Policy Development in Two Welfare States." Mary Ruggie, Assistant Professor of Sociology at Barnard College. Sponsored by the Women's Studies Visiting Scholars Program and the Western Societies Program.

Sept. 30, 3 p.m. Goldwin Smith Hollis E. Cornell Auditorium. Luther Conference: "Collegium Musicum, Music of the Reformation."

Sept. 30, 3:30 p.m. Goldwin Smith Hollis E. Cornell Auditorium. Luther Conference: "Luther on the Freedom of the Human Will: A Reformation Controversy in Medieval Perspective," David Steinmetz, Duke Divinity School.

Sept. 30, 5 p.m. Goldwin Smith Hollis E. Cornell Auditorium. Luther Conference: "Luther and the Jews," Sander Gillman, Cornell University.

### Saturday

Oct. 1, 9 a.m. Goldwin Smith Hollis Cornell Auditorium, "Luther and Reformation Art," Carl Christensen, Colorado.

Oct. 1, 10:30 a.m. Goldwin Smith Hollis E. Cornell Audit. Luther Conference: "Luther on Authority," Herbert Deinert, Cornell.

Oct. 1, 3:30 p.m. Goldwin Smith Hollis E. Cornell Auditorium. Luther Conference: "Martin Luther: An Ecumenical Challenge," Hans Kung, Tübingen/Michigan.

## Meetings

### Every Tuesday

Ives Hall 217, 7:30 p.m. Weekly meeting of Cornell University Parliamentary Debate Society.

### Thursday

Ives 110, 4:30 p.m. Weekly meeting of Cornell Concert Commission. Note time change. Regular meetings are held at 5 p.m.

### Wednesday

Sept. 28, 7 p.m. Anabel Taylor Alternatives Library. Collective Security, a 100 year old means to world peace. Sponsored by Cornell Baha'i Association. Free and open to the community.

### Every Saturday

Anabel Taylor Edwards Room 4-7 p.m. Cornell Chinese Bible Study Group.

## Music

### Amade Trio in Concert Oct. 1

The Amade Trio will make its first appearance of the 1983-84 concert season at 8:15 p.m. Saturday, Oct. 1, in Barnes Hall. The free public program, honoring composer Johannes Brahms'



The Fitzwilliam String Quartet will present the first concert of the Statler Hall concert season at 8:15 p.m. Thursday, Sept. 29. The quartet will perform Borodin's Quartet No. 2 in D, Shostakovich's Quartet No. 7 in F Sharp Minor, Op. 108 and Beethoven's Quartet No. 13 in B Flat Major, Op. 130. Members of the quartet are, from left, Ioan Davies, cellist; Christopher Rowland, violin; Alan George, viola; Jonathan Sparey, violin. Tickets are on sale at the Lincoln Hall ticket office, open 9 a.m. to 1 p.m., telephone 256-5144. They will also be available at the door.

Sesquicentennial, will be repeated at 4 p.m. Sunday, Oct. 2.

The trio, resident ensemble at Cornell, is made up of Malcolm Bilson, piano; Sonya Monosoff, violin; John Hsu, cello. Members of the music faculty, all have achieved international recognition as soloists and authorities on performance practices of the 18th century as well as for their ensemble work. On Saturday and Sunday the Amadeo Trio will play Brahms' Trio in C Major, Opus 87.

Another feature of the concert will be a performance of the familiar Liebeslieder Waltzes, Opus 52 by Brahms, with text from "Polydora" by Daumer. They will be sung by Mimmi Fulmer, soprano; Janet England, Alto; Edward Swenson, tenor; and Donald Miller, bass. Edward Murray and Malcolm Bilson will provide the piano accompaniment. Fulmer will also sing five Brahms solo songs: "Sommerabend," "Die Botschaft," "Am Sonntag Morgen," "O wusst ich doch den Weg zuruck" and "Vergebliches Standchen." Fulmer and Swenson are on the faculty of the Ithaca College School of Music. Miller is head of the vocal department at Syracuse University and England is also active in Syracuse. The vocalists have appeared frequently in the Ithaca area in recitals, as oratorio soloists and in opera productions.

Bilson will complete the program with five of Brahms' piano pieces, including three intermezzi, a capriccio and a rhapsody. Bilson was one of several instrumentalists featured in the music section of Time Magazine's September 5 issue.

The Brahms festival, which begins Saturday, Sept. 24, and Sunday, Sept. 25, with a program of chamber music and will continue through Oct. 9, is sponsored by the Cornell Council of the Creative and Performing Arts and the Department of Music.

#### Vienna Chamber Orchestra to Perform

The internationally-acclaimed Vienna Chamber Orchestra, under the direction of Philippe Entremont, will perform at 8:15 p.m. Wednesday, Oct. 12, in Bailey Hall.

A limited number of tickets for the concert

will go on sale in the Lincoln Hall Ticket Office on Monday, Sept. 26. The ticket office is open 9 a.m. to 1 p.m. Monday-Friday, telephone 256-5144.

The program for the evening will be Britten's Simple Symphony, Op. 4; Mozart's Piano Concerto No. 14 in E-flat Major; and Tchaikovsky's Serenade for Chamber Orchestra.

In its three decades of existence, the Vienna Chamber Orchestra has won world-wide praise for its "impeccable and stylish" performances of the works of Mozart and Haydn.

Entremont, who also appears as piano soloist with the orchestra, has received universal recognition of his masterful style and artistry, both at the keyboard and on the podium. He has appeared on six continents in recital and with the world's leading orchestras. Since the 1981-82 season, he has served as music director of the New Orleans Philharmonic Orchestra. He is the recipient of several awards and honors including the Grand Prix du Disque, the Netherlands Edison Award, the New Orleans International Order of Merit, and he is a Knight of the Legion d'Honneur.

Free bus service beginning at 7:30 p.m., will be provided the night of the concert, between parking Lot B and Bailey Hall with a stop at the Dairy Bar.

#### Friday

Sept. 23, 8 p.m. \*Bailey Auditorium. Cornell Concert Commission presents Graham Parker and special guest "The Choice." Seats still available. Tickets will be sold the evening of the show.

#### Saturday

Sept. 24, 8:15 p.m. Barnes Hall. Brahms Festival Concert: Brahms Piano Quartet, Clarinet Quintet.

#### Sunday

Sept. 25, 4 p.m. Barnes Hall. Brahms Festival Concert: Brahms Piano Quartet, Clarinet Quintet.

#### Thursday

Sept. 29, 8:15 p.m. \*Statler Auditorium. Faculty Committee on Music presents Fitzwilliam String Quartet.

#### Friday

Sept. 30, 8:15 p.m. Sage Chapel. Nothing But Treble Parents Weekend Concert.

#### Saturday

Oct. 1, 8:15 p.m. Barnes Hall. Brahms Festival Concert: Brahms C Major Trio, Piano Sonata, Liebeslieder Waltzes.

#### Sunday

Oct. 2, 4 p.m. Barnes Hall. Brahms Festival Concert: Brahms C Major Trio, Piano Sonata, Liebeslieder Waltzes.

## Religious Services

#### Baha'i

Call 272-5728 or 273-8014 for location of services. Meets Sept. 7 at 7:30 p.m.

#### Catholic

Anabel Taylor Chapel. Mass every Monday through Friday at 12:15 p.m. Anabel Taylor Auditorium. Mass every Saturday at 5 p.m. Anabel Taylor Auditorium, Mass every Sunday 9:30, 11 a.m. & 5 p.m. Sacrament of Reconciliation by appointment in Anabel Taylor G-22. 256-4228.

#### Episcopal (Anglican)

Anabel Taylor Chapel. Every Sunday, 9:30 a.m. Holy Eucharist. Sunday School and Nursery. Coffee Hour follows the service in the Founders Room.

#### Muslim

Anabel Taylor 218. Monday through Thursday 1 p.m. Anabel Taylor Edwards Room, Friday at 1 p.m.

#### Protestant

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

#### Thursday

Sept. 22, 9:15 a.m. Anabel Taylor Edwards Room. Sukkot Services (Orthodox).

Sept. 22, 10 a.m. Anabel Taylor Founders Room. Sukkot Services (Conservative/Egalitarian).

#### Friday

Sept. 23, 9:15 a.m. Anabel Taylor Edwards Room. Sukkot Services (Orthodox).

Sept. 23, 6 p.m. Anabel Taylor Founders Room. B'Kev Shabbat Services (Conservative/Egalitarian).

Sept. 23, 6 p.m. Anabel Taylor Chapel. Erev Shabbat Services (Reform).

Sept. 23 Erev Shabbat (Orthodox) Services. Call 272-5810 for information.

#### Saturday

Sept. 24, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services (Orthodox).

Sept. 24, 10 a.m. Anabel Taylor Founders Room. Shabbat Services (Conservative/Egalitarian).

#### Sunday

Sept. 25, 11 a.m. Sage Chapel. Interreligious Service Speaker: M. Scott Peck, Psychiatrist, New Preston, Connecticut; author of "The Road Less Travelled."

#### Wednesday

Sept. 28, 6 p.m. Anabel Taylor Edwards Room. Shemini Atzeret Services (Orthodox).

Sept. 28, 6 p.m. Anabel Taylor Founders Room. Shemini Atzeret (Conservative/Egalitarian).

#### Thursday

Sept. 29, 9:15 a.m. Anabel Taylor Edwards Room. Shemini Atzeret Services (Orthodox).

Sept. 29, 7:30 p.m. Temple Beth-El, Tioga and Court Sts. Simchat Torah - Joint Celebration with Temple Beth-El.

#### Sunday

Oct. 2, 11 a.m. Sage Chapel. Sage Chapel Speaker: Hans Kung, Professor of Dogmatic and Ecumenical Theology, University of Tubingen, Germany, author of "Does God Exist?"

## Seminars

**Astronomy:** "The Circumstellar SiO Maser as a Near Stellar Probe," Frank Clark, University of Kentucky, 4:30 p.m. Thursday, Sept. 22, 415 Space Sciences Building.

**Atomic & Solid State Physics:** "Chaos, Josephson Junctions, and the Circle Map," Per Bak, Brookhaven National Laboratory, 1:15 p.m. Thursday, Sept. 22, 701 Clark Hall.

**Atomic & Solid State Physics:** "Band Structure Without a Theorist," E. Ward Plummer, University of Pennsylvania, 4:30 p.m. Tuesday, Sept. 27, 700 Clark Hall.

**Biochemistry:** "Ion Carriers and Ion Channels," Peter Lauger, University of Konstanz, Germany, 4:30 p.m. Friday, Sept. 23, 204 Stocking Hall.

**Biochemistry:** "Amplification and Expression of Drosophila Chorion Genes," Allan Spradling, Carnegie Institute of Washington, 4:30 p.m. Friday, Sept. 30, 204 Stocking Hall.

**Biophysics:** "Functional Implications of Struc-

tural Studies on Microtubules and Related Tubulin Arrays," S. Edelstein, 4:30 p.m. Wednesday, Sept. 28, 700 Clark Hall.

**Chemistry:** "Aggregated State of Matter: On the Way to Being Condensed," W. Castleman, Penn State University, 4:40 p.m. Thursday, Sept. 29, 119 Baker Laboratory.

**Chemistry: Baker Lecture Series:** "Sequence-specific 1H NMR Assignments in Proteins and Nucleic Acids," Kurt Wuthrich, ETH-Zurich, 11:15 a.m. Tuesday, Sept. 27, 119 Baker Lab. Professor Wuthrich will conduct informal discussions at 4:40 p.m. Wednesday, Sept. 28, in 119 Baker Lab., and will speak again on the main topic at 11:15 m. Thursday, Sept. 29, in 200 Baker Lab.

**Chemical Engineering:** "Diffusion and Relaxation in Polymer Systems by Quasielastic Light Scattering," Dou-hung Hwang, 4:15 p.m. Tuesday, Sept. 27, 145(A) Olin Hall.

**City and Regional Planning:** "Federalism, Planners and the Machine," Theodore Lowi, John L. Senior Professor of American Institutions, noon Friday, Sept. 23, 208 W. Sibley.

**City and Regional Planning:** "Methods for Mobilization and Participation in Planning and Development in U.S. Cities," Idrian Resnick, author of "The Long Transition: Building Socialism in Tannia," noon Friday, Sept. 30, 208 W. Sibley.

**Civil and Environmental Engineering:** "Using Economics to Torment a State Regulatory Agency and Public Utilities (Engineers and Lawyers Too!)," Richard E. Schuler, former commissioner and deputy chairman, NYS Public Service Commission, 4:30 p.m. Thursday, Sept. 22, 110 Hollister Hall.

**Design and Environmental Analysis:** "The Integrated Office," Ronald Beckman, 4:30 p.m. Monday, Sept. 26, 317 Martha Van Rensselaer.

**Ecology and Systematics:** "Stratigraphic Variation in Marine Invertebrates Along a Fossil Depth Gradient," John Cisne, 4:30 p.m. Wednesday, Sept. 28, Morison Seminar Room, Corson Hall.

**Floriculture and Ornamental Horticulture:** "Year-Around Hydrangea Flowering," Thomas C. Weiler, visiting professor from Purdue University, 12:15 p.m. Thursday, Sept. 22, 37 Plant Science.

**Floriculture and Ornamental Horticulture:** "Dendrochronology in the Aegean," Peter Kuniho, 12:15 p.m. Thursday, Sept. 29, 37 Plant Science.

**Food Science:** "Heat Penetration During End-over-end Rotation of Cans," Swamy Ananthaswaran, 4:30 p.m. Tuesday, Sept. 27, 204 Stocking Hall, and "Theory and Practice of Using Chitosan Membranes," Tony C. Yang.

**General Chemistry:** "Data Analysis in the GC/IR/MS Experiment," T. Isenhour, University of North Carolina, 4:40 p.m. Thursday, Sept. 22, 119 Baker Lab.

**Geological Sciences:** "Deformation of the Lower Crust, the Case of the Grenville Province," A. Baer, University of Ottawa, 4:30 p.m. Tuesday, Sept. 27, 205 Thurston Hall.

**JUGATAE:** "Vertical Transmission of Blackfly Pathogens," Christine Tarrant, 4 p.m. Monday, Sept. 26, 100 Caldwell Hall.

**Materials Science and Engineering:** "Silicon on Insulators," R. Pinizzotto, Texas Instruments, 4:30 p.m. Thursday, Sept. 22, 140 Bard Hall.

**Materials Science and Engineering:** "Preparation and Properties of Mono-Dispersed Inorganic Colloids," E. Matijevic, Clarkson, 4:30 p.m. Wednesday, Sept. 28, 140 Bard Hall.

**Mechanical and Aerospace Engineering:** "Dynamics of Offset (Odball) Bearings," J.F. Booker, 4:30 p.m. Tuesday, Sept. 27, 282 Gruman.

**Natural Resources:** "Wildlife and Future Food Production," David Pimentel, 7:30 p.m. Thursday, Sept. 29, Sheraton Conference Center, Sheraton Inn. This seminar is being held in conjunction with the First Eastern Wildlife Damage Control Conference, sponsored by Cooperative Extension.

**Neurobiology and Behavior:** "Neuroregeneration of Fictive Swimming in the Lamprey," Sten Grillner, Karolinska Institute, Stockholm, 12:30 p.m. Thursday, Sept. 22, Morison Seminar Room, Seeley G. Mudd Hall.

**Neurobiology and Behavior:** "The Origins of Neuron Specificity," Rodney Murphey, SUNY Albany, 12:30 p.m. Thursday, Sept. 29, Morison Seminar Room, Seeley G. Mudd Hall.

**Ornithology:** "Nature in Musical Masterworks," Richard Fischer, 7:45 p.m. Monday, Sept. 26, Fuertes Room, Lab. of Ornithology, 159 Sapsucker Woods Rd.

**Plant Biology:** "Nodule Ultrastructure," W. Newcomb, Queens University, Canada, 11:15

Continued on Page 10

# Cornell University

## University Personnel Services

### Day Hall

Ithaca, New York 14853

607/256-5226

#### Please Note:

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

Applications for employment can be submitted through the mail. Application forms

are available by the posted Job Opportunities listing at 130 Day Hall. For more information on jobs listed, contact Staffing Services, 130 Day Hall, (607) 256-5226.

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

In response to the Employee Survey, individual copies of Job Opportunities will be available for all employees; complete job posting will be published Thursday of each week in the Chronicle. Consequently, the list will no longer be published in its previous form.

This listing is also available on CUINFO, Cornell University's computerized information service, along with campus bus,

movie, dining facility and library schedules. Each regular Cornell employee is entitled to a free computer account. For further CUINFO details, contact the Information and Referral Center at 256-6200 or Computer Services.

Selected job announcements are broadcast on Channel 13 television each Tuesday at 9:30 a.m. and 7:15 p.m. and each Friday at 11 a.m. and 5:15 p.m.

New vacancies are listed for two weeks in Job Opportunities.

\*Asterisks identify jobs that were not listed last week.

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

\*Asterisks identify jobs that were not listed last week.

# Job Opportunities

Cornell University is an equal opportunity, affirmative action employer.

## Administrative/Professional

\*Position: University Union Manager (Noyes Center)

Department: University Unions

Description: Oversee program activities and services of a large University Union. Implement, administer and review plans and procedures. Develop and control budget (approximately 750,000). Oversee maintenance of facility. Supervise and participate in the hiring, discipline, performance appraisal and training of staff. Coordinate, oversee and assist development programs with Residence Life and Dining units. Represent University Union and the Department of Unions and Activities at meetings, conferences and workshops.

Requirements: Bachelor's degree or equivalent in student development or related field; Master's degree or equivalent preferred. Extensive experience in college union operations and student activities programming.

Hiring Range: \$15,500-\$26,500  
Job Number: P381

\*Position: Student Development Specialist V

Department: College of Engineering

Description: As Director of Admissions, develop and implement recruitment, selection and enrollment plans for College; participate in University admissions and financial aid activity; supervise the review, interviewing and selection of freshman and transfer students; represent the College to the public, to other units in the College and University, and in the academic community as a whole.

Requirements: Master's degree or equivalent, preferably in a technical field. Extensive experience in a highly selective admissions environment, preferably engineering. Strong communication skills, both oral and written; supervisory skills; familiarity with computer technology available to support an admissions function.

Hiring Range: \$15,500-\$26,500  
Job Number: P382

\*Position: Assistant Director/Counseling and Advising

Department: Committee on Special Education Projects (COSEP)

Description: Provide assessment of present and developing University counseling and advising services as they affect minority students. Develop a program for COSEP that will provide the best opportunities for minority students within University services.

Requirements: Master's degree or equivalent. Some experience in counseling, social work or psychology. Documented experience in counseling minority students in higher education preferred.

Hiring Range: \$15,500-\$26,500  
Job Number: P383

\*Position: Research Support Specialist II

Department: Lab of Nuclear Studies

Description: Develop fast, very low noise linear electronic circuitry for a large high energy particle detector which includes drift chambers

and sensitive electromagnetic calorimeters. Supervise the construction and testing of the developed electronics and the installation of the electronics on the detector. Assist in the maintenance of the existing detector electronics.

Requirements: Bachelor's degree or equivalent in electrical engineering, applied physics or physics. Some experience in designing, building and testing either fast low noise bipolar amplifiers or very low noise JFET amplifiers. Substantial experience in general electronics design, including conventional digital logic.

Hiring Range: \$12,500-\$20,700  
Job Number: P384

\*Position: Development Officer I

Department: University Development

Description: As Capital Projects Development Assistant, responsible for appropriate communication and coordination with faculty and staff involved in major gifts fund raising through a computerized tracking system. Provide support for the major donor recognition project.

Requirements: Bachelor's degree or equivalent experience. Excellent written and oral communication skills; strong interpersonal skills; familiarity with computers; good organizational skills.

Hiring Range: \$12,500-\$20,700  
Job Number: P385

\*Position: Student Development Specialist II

Department: Unions and Activities

Description: As the Student Activities Generalist, advise and assist in the distribution of funds for activities; coordinate and advise major student program boards, including the Cornell Concert Commission. Conduct training and development programs for officers of Student Organizations. Coordinate the development of policies regarding campus activities.

Requirements: Bachelor's degree or equivalent in student development preferred. Some experience in student development and programming. Hiring Range: \$12,500-\$20,700  
Job Number: P386

\*Position: Teaching Support Specialist I

Department: Plant Pathology

Description: Provide laboratory support for plant pathology laboratory courses by organizing materials (plants, pathogens, equipment) and aiding professors in the development of new aspects of courses and, possibly, aid in the teaching of plant pathology courses.

Requirements: Master's degree or equivalent in plant pathology or a related field. Significant dedication to teaching. Experience in teaching plant pathology laboratory courses working with diverse types of plant pathogens as well as with plants in the greenhouse and field. Familiarity with techniques generally encountered in undergraduate and introductory graduate level plant pathology courses.

Hiring Range: \$12,500-\$20,700  
Job Number: P387

\*Position: Applications Programmer II (Repost)

Department: Computer Services - Decentralized Computer Services

Description: Analyst/Programmer to work as a member of a team involved with parallel/array processors, VAX/UNIX, large scientific code, networking and programming environments.

Requirements: Bachelor's degree or equivalent with computer-related courses. Solid background in compiler construction and/or parallel processing. VAX assembler desired.

Hiring Range: \$12,500-\$20,700  
Job Number: P322

\*Position: Student Development Specialist III (Repost)

Department: Career Center

Description: Provide career planning and placement services to students in the College of Arts and Sciences and the College of Architecture, Art and Planning; maintain an office in the College of Arts and Sciences three days per week and provide career/placement counseling to students, sponsor career and job hunting seminars, serve as resource to the Academic Advising Center and Directors of Undergraduate Study; provide career/placement counseling to students in Architecture, Art and Planning two days per week, sponsor job hunting seminars and maintain an office/library staffed by student assistants. This individual reports to the Director of the Career Center.

Requirements: Master's degree or equivalent preferred in counseling, education or liberal studies. Excellent writing and administrative skills. Ability to work independently with limited supervision. Strong desire to work with students. Appreciation for students with academic background in Arts and Sciences and Architecture, Art and Planning. Previous experience in career placement strongly preferred. Send cover letter and resume by September 30, 1983.

Hiring Range: \$12,500-\$20,700  
Job Number: P294

Position: Computer Engineer (Repost)

Department: Laboratory of Nuclear Studies

Description: Under indirect supervision of the computer facility Director, provide project leadership in the development of hardware and software for high performance scientific data processing equipment.

Requirements: Bachelor's degree or equivalent combination of education and experience. Experience with computer and/or digital electronic hardware. Knowledge of computer architecture. Familiarity with VAX/VMS, TOPS-10 and/or RSX/11M as well as DEC system 10.

Hiring Range: \$12,500-\$20,700  
Job Number: P248

Position: Development Officer II

Department: Arts and Sciences Public Affairs

Description: Develop and implement fund raising programs for College. Plan and direct public affairs programs in support of the educational goals of the College under direction of the Dean of Arts and Sciences and the Director of Public Affairs, Academic Units. Supervise two

professional and one clerical staff person.

Requirements: Bachelor's degree or equivalent. Master's degree or equivalent preferred. Extensive experience required in Public Affairs or related area in higher education.

Hiring Range: \$15,500-\$26,500  
Job Number: P375

Position: Development Officer II

Department: University Development

Description: Assist with the planning, development and implementation of alumni annual giving. Enlist alumni leadership, organize meetings, personal solicitation committees and events, and oversee direct mail and phonathon programs.

Requirements: Bachelor's degree or equivalent. Some experience with volunteers and fund raising desired; ability to communicate persuasively both orally and in writing; good organizational ability is necessary. Must work well with volunteers. Some travel required.

Hiring Range: \$15,500-\$26,500  
Job Number: P371

Position: Executive Staff Assistant

Department: Human Development and Family Studies

Description: Assist in development of budgets and proposals; prepare, research and write reports, policy papers and other documents; act as liaison in dealing with middle management counterparts in the department, college, university and state agencies around the United States. Until 9/30/84.

Requirements: Master's degree or equivalent. Substantial experience in management, higher education, administration and/or public relations highly desirable. Send cover letter and resume by September 30, 1983.

Hiring Range: \$12,500-\$20,700  
Job Number: P372

Position: Student Development Specialist II

Department: ILR - Extension, New York City

Description: Counsel liberal arts students majoring in labor relations. Coordinate study skills workshops and tutoring. Assist Director in academic evaluation, planning, recruitment and other program responsibilities as well as in the general administration of the program.

Requirements: Bachelor's degree or equivalent; Master's preferred. Some experience in counseling, teaching or administration.

Hiring Range: \$12,500-\$20,700  
Job Number: P376

Position: Research Support Specialist II

Department: Diagnostic Laboratory

Description: Design and develop diagnostic tests. Responsible for conducting experiments to determine which viral protein is responsible for the development of protective immunity in animals and to develop rapid diagnostic tests using these proteins.

Requirements: Bachelor's degree or equivalent; Master's degree preferred in microbiology or biochemistry. Radioisotope usage;

knowledge of analytical techniques for protein characterization and identification. Some experience in tissue culture techniques; virus propagation and purification; familiarity with immunological techniques. Must be able to design and conduct experimental protocols with minimum supervision.

**Hiring Range:** \$12,500-\$20,700  
**Job Number:** P373

**Position:** Applications Programmer II  
**Department:** Laboratory of Nuclear Studies  
**Description:** Write, maintain and document programs for the acquisition and analysis of data from a continuing experiment in elementary particle physics. Work with VAX, DECsystem-10, PDP-11, IBM/CMS and/or RSX-11M helpful. Must be able to work effectively with physicist-programmers and on own with minimal supervision.

**Hiring Range:** \$12,500-\$20,700  
**Job Number:** P374

## Clerical

All applicants interested in positions requiring typing must take an official university test. Tests are given Mondays and Wednesdays at 8:10 a.m., Room 337, Statler Hall. Please contact Staffing Services for an appointment.

**\*Position:** Administrative Aide, GR20  
**Department:** Residence Life/Hasbrouck Apartments  
**Description:** Provide secretarial/administrative support for the Manager, Program Assistant and Supervisor of Housekeeping Assignments. Responsibilities include reconciling financial and billing systems; assisting in assignment process of apartments; preparing apartment contracts for an international student community; typing; payroll; handling inquiries (in person and telephone); making travel arrangements; handling special projects as assigned.

**Requirements:** Associate's degree or equivalent combination of education and experience. Experience with bookkeeping, accounting, budget and inventory preparation essential. Experience with computers. Strong organizational, interpersonal and communication skills. Familiarity with a University setting helpful.  
**Hiring Range:** \$11,180-\$13,606  
**Job Number:** C381

**\*Position:** Senior Searcher, GR20  
**Department:** University Libraries - Olin Serials  
**Description:** Responsible for searching, ordering, checking in, claiming and approving invoices for serial titles received in Chinese, Japanese and Korean. Problem solving related to East Asia Serials.

**Requirements:** Bachelor's degree or equivalent, training in East Asian history and culture. Good knowledge of Chinese and Wade-Giles system of romanization; some knowledge of Japanese helpful. Must have completed formal training in East Asian bibliography or be willing to complete a course in East Asian bibliography during first year of employment.  
**Hiring Range:** \$11,180-\$13,606  
**Job Number:** C382

**\*Position:** Senior Records Assistant, GR18  
**Department:** Fine Arts Library  
**Description:** Perform various duties involving processing of new books and cards; all departmental secretarial work; maintenance of supplies and statistical records; work with Circulation/Reserve Supervisor as needed. Some weekend work.

**Requirements:** Bachelor's degree or equivalent. Medium typing. Previous library experience desirable. French and German languages helpful.  
**Hiring Range:** \$10,000-\$12,163  
**Job Number:** C383

**\*Position:** Secretary, GR18  
**Department:** Financial Aid  
**Description:** Maintain central information desk switchboard. Duties include answering and routing telephone calls; typing; handling inquiries. Other duties as assigned.

**Requirements:** H.S. education or equivalent. Medium typing. Experience working with a switchboard. Excellent organizational, interpersonal and communication skills. Ability to work in a complex, active environment.  
**Hiring Range:** \$10,000-\$12,163  
**Job Number:** C384

**\*Position:** Office Assistant, GR18  
**Department:** Physiology - Veterinary College  
**Description:** Responsible for several accounts; travel; processing of purchase orders; filing; new equipment inventory; shared responsibility for grant management; receptionist

duties; typing correspondence.  
**Requirements:** H.S. education or equivalent. Course work in business preferred. Medium typing. Some accounting and bookkeeping experience. Strong organizational, interpersonal and communication skills.  
**Hiring Range:** \$10,000-\$12,163  
**Job Number:** C385

**\*Position:** Office Assistant, GR18  
**Department:** Albert R. Mann Library  
**Description:** Work with a personal computer; figure postage and meter mail; handle UPS; typing; maintain student payroll records. Other duties as assigned. Monday - Thursday 8:00 a.m. - 5:00 p.m.; Fridays 8:00 a.m. - 4:00 p.m.

**Requirements:** H.S. education or equivalent. Some college coursework preferred. Medium typing. Some office experience. Strong organizational, interpersonal and communication skills. Knowledge of word processor/microcomputer helpful.

**Hiring Range:** \$10,000-\$12,163  
**Job Number:** C386

**\*Position:** Secretary, GR18 (Repost)  
**Department:** Physics  
**Description:** Provide secretarial support for the Physics department. Duties include typing course work, lab manuals; keeping department student records; answering telephone; operating multilith offset press.

**Requirements:** H.S. education or equivalent. Business or secretarial school preferred. Heavy typing. Some secretarial experience, preferably in an academic setting. Strong organizational, interpersonal and communication (written and oral) skills. Knowledge of word processing/technical typing helpful. Experience operating offset press desirable.

**Hiring Range:** \$10,000-\$12,163  
**Job Number:** C344

**\*Position:** Secretary, GR16  
**Department:** Human Development & Family Studies

**Description:** Provide secretarial support for Head Start Project. Duties include duplicating and organizing material to be sent out in mailings; helping with arrangements for workshops; assembling information packets; answering phones; assisting in typing reports and correspondence; handling mail. Full-time, regular, until 7/1/84.

**Requirements:** H.S. education or equivalent. Medium typing. Some secretarial experience. Strong organizational, interpersonal and communication skills. Knowledge of word processor helpful.

**Hiring Range:** \$9,040-\$10,881  
**Job Number:** C387

**Position:** Accounts Coordinator, GR24  
**Department:** State Finance and Business Office

**Description:** Record daily accounts receivable receipts; audit employee termination forms; monitor accounts receivable customer accounts; code employee tuition forms; prepare journal entries for various charges and accounts receivable adjustments; complete state accounts reconciliation; maintain state construction accounts.

**Requirements:** Associate's degree or equivalent in accounting. Familiarity with Cornell accounting preferred. Accounts receivable experience desirable.

**Hiring Range:** \$14,075-\$17,102  
**Job Number:** C371

**Position:** Secretary, GR18  
**Department:** Microbiology (Agriculture)  
**Description:** Provide secretarial support for teaching and research faculty. Duties include typing correspondence, class work, manuscripts, grant proposals; maintaining undergraduate files; overseeing department reading room; making travel arrangements; answering telephone. Other duties as assigned.

**Requirements:** H.S. education or equivalent. Business or secretarial school preferred. Medium typing. Some secretarial experience. Strong interpersonal and communication skills.

**Hiring Range:** \$10,000-\$12,163  
**Job Number:** C372

## General Service

**\*Position:** Life Safety Inspector, GR21  
**Department:** Life Safety Services  
**Description:** Respond to emergencies; inspect sprinkler systems, alarm systems, fire extinguishers and related life safety equipment. Conduct dormitory fire drills to instruct students on proper evacuation procedures and the use of fire extinguishers. Fill out necessary reports and forms. Perform other duties as assigned. 4:00 p.m. - midnight, Thursday, Friday; 8:00 a.m. -

4:00 p.m. Saturday, Sunday and Monday.  
**Requirements:** H.S. education or equivalent. Fire science courses or equivalent preferred. Knowledge of chemicals and fire prevention codes. Some life safety experience or similar experience required. Holiday and weekend work required.

**Hiring Range:** \$11,875-\$14,412  
**Job Number:** S381

**\*Position:** Photographer, GR21  
**Department:** Geological Sciences  
**Description:** Black and white photography including publication of quality photos from illustrations, line drawings, maps; copy work, developing film and prints. Color photography including producing color slides and duplicating slides. Other nonphotographic and non-technical duties as assigned.

**Requirements:** H.S. education or equivalent; some college photographic courses preferred. Several years of photographic experience.

**Hiring Range:** \$11,875-\$14,412  
**Job Number:** S383

**\*Position:** Transportation and Equipment Maintenance  
**Coordinator, SO20**  
**Department:** Clinical Sciences - Statutory  
**Description:** Coordinate vehicle flow to and from repair shops on a daily basis. Refuel clinic vehicles, maintain cleanliness of vehicles. Repair and maintain various types of hospital equipment. Other duties as assigned.

**Requirements:** H.S. education or equivalent. Some experience in vehicle and small electrical equipment repair. NYS driver's license required.

**Hiring Range:** \$5.81/hour  
**Job Number:** S384

**\*Position:** Material Handler, SO18  
**Department:** University Press - Endowed  
**Description:** Perform general warehouse duties including shipping of books ordered by customers. Receive incoming shipments, drive truck and other duties as assigned.

**Requirements:** H.S. education or equivalent. Driver's license required. Some warehouse experience. Ability to lift 70 lbs. Pre-employment physical required.

**Hiring Range:** \$4.79/hour  
**Job Number:** S385

**\*Position:** Head Custodian, SO18  
**Department:** Buildings and Grounds Care - Statutory  
**Mon. - Thurs., 6:00 a.m. - 2:30 p.m.;**  
**Fridays 6:00 a.m. - 1:30 p.m.**  
**Description:** Participates in, directs, oversees and evaluates the work of custodians in assigned area.

**Requirements:** H.S. education or equivalent. Some custodial experience. Good interpersonal and communication skills. Inventory accounting knowledge helpful.

**Hiring Range:** \$5.20/hour  
**Job Number:** S386

**\*Position:** Custodian, SO16  
**Department:** Statler Inn - Endowed  
**5 days/week, 8:30 a.m. - 5:00 p.m.;**  
**Sat., Sun. 9:00 a.m. - 5:00 p.m.,**  
**Rotate weekends**  
**Description:** Perform routine cleaning duties in the Statler Inn hotel guest rooms; work in the Statler Inn linen room as needed. Perform other duties as assigned.

**Requirements:** H.S. education or equivalent preferred. Some hotel custodial experience; ability to work weekends.

**Hiring Range:** \$4.30/hour  
**Job Number:** S387

**\*Position:** Custodian, SO16  
**Department:** Unions and Activities - Endowed  
**Friday - Tuesday, 11:00 p.m. - 7:00 a.m.**  
**Description:** Perform general maintenance and custodial care of building and grounds in immediate vicinity of assigned building.

**Requirements:** Ability to use a variety of heavy power-operated equipment, climb an 8' ladder and lift 50 lbs.

**Hiring Range:** \$4.30/hour  
**Job Number:** S388

**\*Position:** Custodian, SO16  
**Department:** Buildings & Grounds Care - Endowed

**Mon.-Thurs., 6:00 a.m. - 2:30 p.m.;**  
**Fridays 6:00 a.m. - 1:30 p.m.**  
**Description:** Perform general maintenance and custodial care of buildings and grounds in immediate vicinity of assigned building.  
**Requirements:** Ability to use a variety of heavy poweroperated equipment, climb an 8' ladder and lift 50 lbs.  
**Hiring Range:** \$4.30/hour  
**Job Number:** SG386

**\*Position:** Food Service Worker, SO15  
**Department:** Statler Inn - Endowed  
**Description:** Serve as busperson for the breakfast and lunch operation in the Statler Rathskeller. Perform all preparation and service for the Statler Club coffee hour.

**Requirements:** H.S. education or equivalent preferred. Restaurant/hotel experience preferred.

**Hiring Range:** \$4.05/hour  
**Job Number:** S389

**Position:** Boiler Operator Helper, U202  
**Department:** Utilities  
**Description:** Handle ashes, coal and/or wood at the Central Heating Plant using mechanical system provided. Check and maintain mechanical systems and learn the boiler operator's job by assisting him and through formal training.

**Requirements:** H.S. education or equivalent. Ability to learn Boiler Operator functions. Good physical condition sufficient to work effectively in boiler plant environment, which includes noise, dust, heat, climbing stairs, lifting, etc.

**Hiring Range:** \$5.32/hour  
**Job Number:** S375

**Position:** Baker, SO20  
**Department:** Cornell Dining - Endowed  
**Description:** Assist in preparing a full variety of baked goods including rolls, breads, cakes, cookies and pastries. Perform other duties as required.

**Requirements:** H.S. education or equivalent. Some experience in a bakery or similar establishment. Ability to clean, use and maintain baking equipment.

**Hiring Range:** \$5.33/hour  
**Job Number:** S371

**Position:** Animal Attendant, SO18  
**Department:** Clinical Sciences - Statutory  
**Description:** Feed and care for large animals; observe and report animals' abnormal behavior; clean barns; wash and disinfect stalls after animals are discharged from the hospital; milk cows and groom animals. Other duties as assigned.

**Requirements:** H.S. education or equivalent. Some experience with large animals, bovine preferred. Ability to milk.

**Hiring Range:** \$5.20/hour  
**Job Number:** S372

## Technical

Applications for Technical positions should include the following information:  
- Scientific/technical courses completed;  
- Lab techniques and/or equipment (knowledge of)  
- Special skills (e.g. knowledge of computer language)

**\*Position:** Technician, GR22  
**Department:** Veterinary Pathology  
**Description:** Coordinate experimental surgeries, daily sample and data collection and sample analysis. Perform pathology case reviews involving computer and file search, slide retrieval, data compilation and data analysis.

**Requirements:** Bachelor's degree or equivalent with routine laboratory skills; courses in basic anatomy, physiology and statistics. Familiarity with use of modern scientific libraries required. Some experience with tissue culture procedures and working with large domestic animals. Familiarity with aseptic technique and ability to assist during surgical and necropsy procedures.

**Hiring Range:** \$12,515-\$15,239  
**Job Number:** T381

**\*Position:** Technician, GR22  
**Department:** pharmacology - Veterinary College

**Description:** Conduct experiments and analyze results on biochemical research relating to the neuromodulatory function of peptides in neuronal tissue. Calculate and analyze data; use computer to develop statistics and graphics; perform independently, to some extent, in the design and interpretation of results.

**Requirements:** Bachelor's degree or equivalent in biochemistry, neurobiology or simi-

# Calendar

Continued from Page 7

a.m. Friday, Sept. 23, 404 Plant Science Building.

**Plant Biology:** "Phycobilisome Composition and Relationship to Photosystem II," Elisabeth Gantt, visiting professor from Smithsonian Institute, 11:15 a.m. Friday, Sept. 30, 404 Plant Science Building.

**Plant Pathology:** "An Analysis of the Mode of Action of the Host-Specific Toxin Produced by *Periconia circinata*," 4:30 p.m. Tuesday, Sept. 27, 404 Plant Science Building.

**Pomology/Vegetable Crops:** "Directions and Programs for the Departments of Pomology and Veg. Crops," Gene H. Oberly, Elmer E. Ewing, 4:30 p.m. Thursday, Sept. 29, 404 Plant Science Building.

**Psychology/Human Development and Family Studies:** "The Role of Causal Reasoning in Young Children," Rochel Gelman, University of Pennsylvania, 3:30 p.m. Friday, Sept. 23, 202 Uris Hall.

**Reproductive Physiology/Endocrinology:** "Anterior Pituitary—Ovary in the Hen; An Honesty to Goodness, Real Positive Feedback?" Ari Van Tienhoven, 4:30 p.m. Wednesday, Sept. 28, 348 Morrison Hall.

**Theoretical and Applied Mechanics:** Title to be Announced, Theodor Lehmann, Ruhr-Universität Bochum, West Germany, 4:30 p.m. Wednesday, Sept. 28, 205 Thurston Hall.

**Vegetable Crops/Pomology:** "Directions and Programs for the Departments of Pomology and Veg Crops," Gene H. Oberly, Elmer E. Ewing, 4:30 p.m. Thursday, Sept. 29, 404 Plant Science Bldg.

## Sports

Friday

Sept. 23, 7:30 p.m. Schoellkopf. Men's Freshman Football Colgate.

Saturday

Sept. 24, 10 a.m. Schoellkopf. Women's Field Hockey Dartmouth.

Sept. 24, 1:30 p.m. \*Schoellkopf. Men's Football Colgate.

Sept. 24, 6 & 8 p.m. \*Schoellkopf. Men's Soccer "Cornell Classic Tournament."

Sunday

Sept. 25, 12:30 p.m. Schoellkopf. Men's Lightweight Football-Alumni.

Sept. 25, 6 & 8 p.m. \*Schoellkopf. Men's Soccer "Cornell Classic Tournament."

Monday

Sept. 26, 7:30 p.m. Schoellkopf. Men's JV Soccer-Scranton.

Wednesday

Sept. 28, 4 p.m. Schoellkopf. Women's Soccer-Wells.

Sept. 28, 6 p.m. Helen Newman. Women's Volleyball Ithaca College and Geneseo.

Friday

Sept. 30, 4 p.m. Schoellkopf. Men's Freshman Football Pennsylvania.

Sept. 30, 5:15 p.m. Moakley Course. Women's Cross Country Army.

Sept. 30, 5:15 p.m. Moakley Course. Men's Cross Country Army.

Sept. 30, 7:30 p.m. Schoellkopf. Men's Lightweight Football-Pennsylvania.

## Barton Blotter

The Department of Public Safety is investigating numerous harassing telephone calls made to students and employees at four different locations on campus last week: Risley Hall, Ecology House, Africana Studies and Research Center and Clara Dickson Hall.

These incidents were included in the department's morning reports for the period Sept. 12 through 18. In other incidents reported, three members of Delta Tau Delta were referred to the Judicial Administrator on charges of damaging the roof of a Life Safety van during a fire drill. An employee was referred to the J.A. on charges of displaying an altered parking permit.

A total of 13 thefts involving losses of \$1,147 in cash and valuables were reported on campus for the seven-day period. These included three bicycles worth a total of \$434 and five wallets and one purse with losses in cash and valuables estimated at \$356. Two of these thefts were at the Grumman Squash Courts, a favorite area for thieves.

Saturday

Oct. 1, 10 a.m. Schoellkopf. Women's Field Hockey Yale.

Oct. 1, 1 p.m. Schoellkopf. Women's Soccer-Adelphi.

## Theater

Sunday

Oct. 2, 4 p.m. \*Bailey Auditorium. Cornell's

University Unions Program Board proudly presents the Tony Award-winning play: "Amadeus." Philip Pleasance will portray Salieri, the jealous rival of Wolfgang Amadeus Mozart, played by Edward Hodson. For interviews, updates, and other information, contact UUPB's publicity chairperson Marty Heebner at 256-7132. Ticket prices will be \$10.50, \$9.50, and \$8.50.

## Graduate Bulletin

All completed optical mark course registration forms should be turned in to Sage Graduate Center by tomorrow, Sept. 23. Use your Social Security number where the ID number appears.

The deadline for registration is tomorrow, Sept. 23. After that, late initial course registration and/course additions are still possible upon payment of a \$10 late fee.

Friday, October 28, 1983 is the deadline for dropping courses or changing the grade option.

In nominating their Special Committees, graduate students must elect only members of the Graduate Faculty in the appropriate fields.

Graduate students whose employment is other than a teaching or research assistantship and is in excess of 10 hours per week (and is not contributory toward the degree) or 20 hours per week (and is contributory) may be eligible for proration of tuition. Applications are available at the Information Desk, Sage Graduate Center.

To be eligible for a special tuition rate of \$950 per semester, doctoral candidates must have completed three years of residence, required course work, and have taken the A exam by Friday, September 23, 1983. Check with the Graduate School for details and application forms.

Nov. 23: National Science Foundation 1984-85 Graduate Fellowships awards are made in the areas of mathematical, physical, biological, engineering, social sciences and the history and philosophy of science. Applicants must be citizens or nationals of the United States at the time of application, who have not completed postbaccalaureate study in excess of 30 quarter

hours/20 semester hours, or equivalent, in any field of science, engineering, social science, or mathematics. Recipients must be enrolled in master's or doctoral degree programs. Awards are for a period of three years, and provide a 12-month stipend of \$8,100 plus a cost of education allowance of \$4,900 in lieu of all tuition costs. Renewal in the second and third years is subject to satisfactory academic progress and the availability of appropriated funds for continued support.

Fulbright-Hays Doctoral Dissertation applications are now available in the Graduate Fellowship and Financial Aid Office, 116 Sage Graduate Center.

Association for Women in Science Applicants must be women in predoctoral programs working toward their Ph.D. in the areas of biology, chemistry, physics, engineering, mathematics, and the social sciences. Awards are in the amount of \$500. For more information and applications, send a stamped, self-addressed envelope to Association for Women in Science, Inc., 1346 Connecticut Avenue, N.W., Suite 1122, Washington, D.C. 20036. Applications are available between September 15, 1983 and December 15, 1983.

## People

### Hammes Heads Biotechnology

Gordon G. Hammes, the Horace White Professor of Chemistry and Biochemistry, has been named director of the Cornell Biotechnology Program, according to Robert Barker, vice president for research and advanced studies.

The Biotechnology Program includes the Biotechnology Institute at Cornell University, a collaborative research effort involving major corporations that have an expressed interest in the field with Cornell scientists.

Cornell has been designated by the State of New York as a Center for Advanced Technology in the area of biotechnology. The center will provide information and technology transfer specifically designed to meet the needs of New York industry and academic institutions. Biotechnology is the management of biological systems to serve human needs.

Established in March 1983, the Biotechnology Institute will focus on

molecular genetics, cellular biology and cell production. The institute and the center are intended to foster basic technology research and application to benefit agriculture, food, chemical and pharmaceutical industries. More than 300 Cornell scientists and faculty members will work with corporate researchers in non-proprietary studies, the results of which will be available to the public.

A specialist in the area of biophysical chemistry, Hammes has achieved international recognition for his thermodynamic, kinetic and structural studies of the regulation of biological processes by enzymes.

Commenting on the appointment, Barker said, "Prof. Hammes brings a broad experience in academic administration and great scientific knowledge and prestige. His appointment has been warmly endorsed by his colleagues across the campus and by the corporate sponsors."

### Haeussler New Patent Chief

H. Walter Haeussler, former patent attorney in the Washington, D.C. area, has been named director of patent and licensing operations at Cornell, according to Thomas R. Rogers, associate vice-president for research.

Haeussler assumed his new duties this summer, succeeding Theodore C. Wood, who has agreed to stay on as manager of patents and special assistant to the director until his retirement, Rogers said.

Under Wood's leadership, Rogers said, Cornell has become recognized as among the nation's top research institutes over the past decade in efforts to overcome what has been called this country's growing "technology transfer gap," with most of the world's industrial nations.

Last year for the first time since the patent program began in 1930, the university's income from patents and licensing of ideas developed at Cornell

exceeded \$1 million. Wood who had retired in 1970 after 17 years as a patent executive with International Business Machines, Inc., came to Cornell in 1974 as an adviser for three months and "fortunately he has remained with us ever since," Rogers said.

Until coming to Cornell, Haeussler had been president and treasurer since 1972 of

Jones Tullar & Cooper, P.C., a law firm in Arlington, Va. specializing in patents.

Before joining the firm, Haeussler was a patent agent and patent attorney for PPG Industries in Pittsburgh Pa., for nine years. Earlier in his career he worked as an examiner for the U.S. Patent Office and as a research chemist for PPG Industries.

### Greenwood Leads CIS

Davydd J. Greenwood, professor of anthropology and a member of the Cornell faculty since 1970, has been named director of Cornell's Center for International Studies and holder of the John S. Knight Professorship of International Studies.

He succeeds Milton J. Esman, director of CIS since 1969 and holder of the Knight professorship which was established in 1969, specifically to support the work of the director of CIS.

The endowed chair was established by the late John S. Knight, a member of the Cornell Class of 1918 and founder of Knight Newspapers.

Greenwood was elected to a five year term as director of CIS by the University Board of Trustees upon the recommendation of President Frank Rhodes.

He is the author of three books and numerous articles. His most recent research has centered on the social uses of theories of biological and economic determinism.

Chairman of the Biology and Society major at Cornell from 1980 to 1983, Greenwood cooperated in the establishment of the major and has a long term interest in curriculum development at Cornell. He had

a joint appointment between the Department of Anthropology and the Program on Science, Technology and Society from 1980-1983.

Greenwood is a fellow of the American Anthropological Association, the International Institute in Spain, the Society for Health and Human Values and the Society for Spanish and Portuguese Historical Studies. He is one of the few American anthropologists who has conducted in-depth studies of the Spanish Basque Region where he studied industrialization, tourism and rural exodus.

Donald F. Berth, associate dean of the college of engineering, has been appointed vice president for university relations at Worcester Polytechnic Institute, effective Sept. 1. At WPI, Berth will be responsible for college development and fund raising, public and press relations, publications and alumni relations. In his post at Cornell, he was chief development officer for the college of engineering where he organized and managed fund raising programs which raised over \$50 million to support the engineering school.

# Job Opportunities

Continued from Page 9.

lar field. Some laboratory experience in a related field; familiarity with balances, pH meter, centrifuges, gamma and scintillation counters, spectrophotometers, fluorometers, light microscopes and tissue culture equipment.

**Hiring Range:** \$12,515-\$15,239  
**Job Number:** T382

**\*Position:** Technician, GR21

**Department:** Veterinary Pathology

**Description:** Assist in design, conduct and interpret laboratory experiments with emphasis on ultrastructural evaluation of experimental and naturally occurring neuromyopathies. Prepare chemical and cytochemical reagents used in laboratory. Laboratory organization and maintenance and maintenance of instrumentation and records.

**Requirements:** Bachelor's degree or equivalent in biology. Some experience in a research electron microscopy laboratory including tissue selection, fixation, embedding and preparation of thick and thin sections. Experience in photographic techniques, handling laboratory animals and laboratory management.

**Hiring Range:** \$11,875-\$14,412  
**Job Number:** T383

**\*Position:** Technician, GR21

**Department:** Plant Pathology

**Description:** Prepare media, prepare and maintain cultures, perform experiments, file data and maintain the laboratory. Experiments will include small and large scale DNA preparations, restriction digests, gel electrophoresis, strain crosses and ascospore isolation.

**Requirements:** Bachelor's degree or equivalent in bioscience. Some experience in molecular genetics lab. Experience in sterile technique, maintenance of fungal and bacterial cultures, manipulation of nucleic acids. Preparation of high molecular weight DNA and use of Apple II-plus computer necessary.

**Hiring Range:** \$11,875-\$14,412  
**Job Number:** T384

**\*Position:** Technician, GR20

**Department:** Veterinary Pathology

**Description:** Prepare slide for microscopic examination to include embedding and cutting of tissue, routine and special staining of slides plus all other duties associated with the departmental histology laboratory.

**Requirements:** Associate's degree or equivalent in histology, animal science or medical technology with course work in histology. Health Technician (ASCP) certification or eligibility preferred. Some experience in a histology laboratory. Knowledge of some special staining techniques. Proficient use of microtome.

**Hiring Range:** \$11,180-\$13,606  
**Job Number:** T385

**\*Position:** Animal Health Technician, CR20

**Department:** Clinical Sciences/Radiology, Veterinary College

**Description:** Take radiographs, process films of animal patients and research materials as required. Daily maintenance of lab, equipment, chemicals, etc.

**Requirements:** NYS licensed animal health technician and/or licensed radiologic technician. Experience handling animals preferred.

**Hiring Range:** \$11,180-\$13,606  
**Job Number:** T386

**\*Position:** Technician, GR19

**Department:** Food Science

**Description:** Conduct lipid analyses; prostaglandin quantification via RIA techniques; thin layer and gas chromatographic analyses; handle rats; perform nutritional studies and data analyses via computer.

**Requirements:** Bachelor's degree or equivalent in biochemistry, biology or chemistry. Knowledge of radioimmunoassay techniques, gas chromatography and lipid analyses; some experience in a biochemical lab.

**Hiring Range:** \$10,595-\$12,852  
**Job Number:** T387

**Position:** Technician, GR24 (Repost)

**Department:** Avian and Aquatic Animal Medicine

**Description:** Diagnostic and research procedures involved in the study of diseases of pet, exotic and wild avian species including the collection of clinical and postmortem samples; preparing hematological evaluation, performing virological, chlamydiological, bacteriological,

serological, immunofluorescent, ultrastructural and other tests for research and diagnostic purposes; assist, as needed, in teaching laboratories.

**Requirements:** Bachelor's degree. Master's degree or some graduate course work in biomedical topics (microbiology, virology and/or pathobiology). Five years plus experience, preferably in an applied biomedical or pathobiology context.

**Hiring Range:** \$14,075-\$17,102  
**Job Number:** T361

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

**Department:** Avian and Aquatic Animal Medicine

**Description:** Diagnostic and research procedures involved in the study of diseases of pet, exotic and wild avian species including the collection of clinical and postmortem samples; preparing hematological and cytological specimens for histopathologic evaluation; performing virological, chlamydiological, bacteriological, serological, immunofluorescent, ultrastructural and other tests for research and diagnostic purposes; assist, as needed, in teaching laboratories.

**Requirements:** Bachelor's degree in biological or biomedical field. Two years experience in an applied biomedical or pathobiology context.

**Hiring Range:** \$12,515-\$15,239  
**Job Number:** T353

**Position:** Technician, GR21

**Department:** Diagnostic Laboratory

**Description:** Conduct viral and chlamydia isolation procedures; prepare clinical specimens; perform a variety of techniques including tissue culture, fluorescent antibody procedures and serological tests. Prepare media, buffers and other solutions.

**Requirements:** Bachelor's degree or equivalent in microbiology, biology or a related field. Some experience in tissue culture; good sterile technique and basic microbiological techniques; some experience in virus and chlamydia isolation, electron microscopy and ELISA testing desirable.

**Hiring Range:** \$11,875-\$14,412  
**Job Number:** T371

## Part-time

**\*Position:** Cataloger, GR22

**Department:** University Libraries - Catalog/Olin

**Description:** Catalog all materials for the Hotel Library; act as liaison between the Olin Catalog department and the Hotel Library. Monday - Friday, 8:00 a.m. - 5:00 p.m.; 30 hours per week.

**Requirements:** Bachelor's degree or equivalent experience or training. Light typing. Some technical services experience in a research library, preferably in cataloging. Ability to perform detailed tasks with accuracy. One or more foreign languages.

**Hiring Range:** \$12,515-\$15,239/annual equivalent  
**Job Number:** C388

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

**Department:** Office of Institutional Studies

**Description:** Design, develop and implement computer systems for administrative applications; provide liaison between the college and University computing offices (APS, CCS and those maintaining centralized data bases); review and recommend hardware and software acquisitions; supervise student programmers and train users in applications and hardware operations. 30 hours/week.

**Requirements:** Bachelor's degree or equivalent. Experience in systems analysis and design. Knowledge of interactive computing systems, data base management, IBM operating systems. Familiarity with NATURAL, ADABAS and Cornell's organizational structure for data processing.

**Hiring Range:** \$12,500-\$20,700/annual equivalent  
**Job Number:** P213

**Position:** Scientific Illustrator, GR18

**Department:** Animal Science

**Description:** Design and prepare artwork: illustrations, cartoons, charts, graphs and posters. Perform video editing as needed. Prepare artwork for slides and publications for Animal Science department. Perform related duties as assigned. Monday - Friday, 30 hours/week.

**Requirements:** Degree and/or proven ability in art and illustration. Experience drawing animals (horses, cattle, sheep, swine); knowledge of scientific terms and principles helpful. Some experience as an illustrator including knowledge of and experience in using graphic arts tools and equipment. Good communication and time management skills required.

**Hiring Range:** \$10,000-\$12,163/annual equivalent  
**Job Number:** S374

**Position:** Receptionist, GR16

**Department:** Academic Advising Center

**Description:** Provide receptionist support for the Academic Advising Center. Duties include answering telephone; scheduling appointments; handling student inquiries (in person or on telephone). Part-time, regular, Monday - Friday, 1:00 - 5:00 p.m.; 8 1/2 month position.

**Requirements:** H.S. education or equivalent. Light typing. Some office experience. Strong organizational, interpersonal and communication skills. Ability to work in a complex, active environment.

**Hiring Range:** \$9,040-\$10,881/annual equivalent  
**Job Number:** C373

## Temporary

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

**\*Position:** Temporary Duplicating Machine Operator, T-2

**Department:** Veterinary Administration  
**Description:** Operate the Veterinary College's "copy center" as an enterprising operation. Operate offset printer TCS/System 4 consisting of: master imager, duplicator (EIMS or manual modes), and 680 collator (80 pocket rotary). Advise on layout of job material and methods for best results. Operate electronic staplers, manual staplers and paper jiggers. Control stock and order material. Perform preventive maintenance.

## Academic

Please contact department directly.

**\*Position:** Postdoctoral Associate  
**Department:** James A. Baker Institute for Animal Health  
**Job Number:** A381

**Position:** Postdoctoral Associate  
**Department:** James A. Baker Institute for Animal Health  
**Job Number:** A371

**\*Position:** Reference Librarian  
**Department:** Martin P. Catherwood Library - ILR  
**Job Number:** A372  
**\*Position:** Cataloger  
**Department:** Martin P. Catherwood Library - ILR  
**Job Number:** A373

## This Week in Sports

# Cornell-Colgate Football Highlights Weekend Action

A full slate of action is on tap for Big Red sports fans this weekend, as five teams will play a total of six games at home from Friday to Sunday. Highlighting the schedule is the home opener for the varsity football team, in addition to the Cornell Soccer Classic.

The Big Red varsity gridders take on Colgate at 1:30 p.m. Saturday on Schoellkopf Field in Maxie Baughan's Ithaca debut as Cornell head coach. A large crowd is expected for Hall of Fame Weekend, including a big Cornell Employee Day contingent.

The Red opened the season last Saturday night with a 28-7 loss to Pennsylvania, as it fell victim to three fumbles and three interceptions. Penn took four of the turnovers and turned them into touchdowns, scoring twice in both the first and second halves.

The Big Red will have its hands full on Saturday, as Colgate is one of the top-ranked teams in Division I-AA. The Red Raiders are already 2-0 on the season, having defeated both Army (15-10) and Lehigh (47-28).

Immediately after the football game on Saturday, the men's soccer team opens its home season by playing host to three other schools in the Cornell Soccer Classic. The first game is scheduled for 6 p.m. Saturday on the Schoellkopf turf when Cleveland State and Brooklyn College meet. The Big Red tangles with the University of Massachusetts at 8 p.m. The winners of the two

**Requirements:** H.S. education or equivalent Course work in printing. Some experience operating offset printer (TCS/System 4) or other similar printing equipment required. Good communication and interpersonal skills. Ability to follow directions in working with printing chemicals.

**Hiring Range:** \$4.00-\$5.00/hour  
**Job Number:** S3810

**Position:** Temporary Technician, T-2

**Department:** DCS-Mastitis Control, Veterinary College

**Description:** Conduct mastitis surveys on dairy farms. Collect milk samples, determine abnormal milk secretions, check milk machine installations. Observe and record environmental and management conditions. Advise dairymen on sanitation, milking procedures and other aspects of herd management including care of equipment and supplies. Assist with simple lab work, general housekeeping. Six months.

**Requirements:** H.S. education or equivalent, dairy farm experience and courses in agriculture and animal husbandry helpful. Some dairy farm experience.

**Hiring Range:** \$4.00-\$5.00/hour  
**Job Number:** T372

opening-round games will play at 8 p.m. Sunday in the championship game, after the consolation game at 6 p.m.

In other action this weekend, the freshman and lightweight football teams begin play this Friday. The freshman team takes on Colgate at 7:30 p.m. on Schoellkopf Field, while the lightweight gridders play twice this weekend. The 150s take on Rutgers at 3 p.m. Friday in New Jersey and then play an Alumni squad in an exhibition contest at 12:30 p.m. Sunday. The Big Red lightweights are the defending Eastern Lightweight Football League champions and recorded a 5-0 record last season.

In women's competition this weekend, the field hockey team returns home after being on the road for three games. The Big Red plays Dartmouth at 10:30 a.m. Saturday at Schoellkopf Field. Cornell lost to the Big Green last season, 3-1, and trails in the series, 3-0-1. The Red had its first Ivy League contest of the year last Saturday, dropping a 3-0 decision to Pennsylvania.

Both the women's volleyball and tennis teams are competing in tournaments this weekend. The volleyball team kicks off the campaign by participating in the Albany State Tournament. The squad is looking to continue its success of the past two years, which has seen the team compile an overall record of 87-14-1. The tennis team, 1-0 on the year after a big 9-0 victory over Colgate, is competing at the Syracuse Tournament on Saturday.

# Brief Reports

## Talk, Film Presentation To Deal with Israel

A documentary film and a slide-illustrated talk on the peace movement and dissent in Israel will be presented at 7:30 p.m. Monday, Sept. 26, in Ives 110.

Rafik Halabi, Israeli journalist and Druze Arab, is the subject of the PBS Frontline documentary entitled "Israel: Between the River and the Sea." Halabi covered the occupied West Bank and Gaza Strip for eight years, and was the only Arab reporter working in the Hebrew section of Israeli Television. His efforts "to bring home to Israelis what it feels like to be a people under occupation" made the question of his loyalty and identity a matter of national controversy.

In addition, three Israeli members of the Cornell community will report on new developments in the peace movement in Israel, with the aid of slides taken this summer.

Discussion and refreshments will follow. All interested members of the public are invited to attend this event, which is sponsored by the campus organization Support for Israeli Peace Groups. For further information call Zellman Warhaft at 256-3898.

## Lectureship Will Honor 2 Prominent Cornellians

A new leadership honoring two prominent Cornellians known internationally for their work in the field of plant pathology has been established here.

The inaugural lecture under the program at 8 p.m. today will be given by John Niederhauser who has devoted his life to the study of potato diseases in Mexico as a Rockefeller Foundation scientist. His lecture, "Potato Late Blight: An International Adventure," will be in 404 Plant Science Building. It is open to the public.

Establishment of the lecture series, to be known as the "Whetzel-Westcott Lectureship," was announced by R. Kenneth Horst, chairman of the lecture committee and a professor of plant pathology in the State College of Agriculture and Life Sciences.

The lectureship, established with funds donated by supporters and friends of Cornell, honors the late Herbert Hice Whetzel, the first head of Cornell's department of plant pathology, and Cynthia Westcott who studied under Whetzel and who later became the nation's first practicing "plant doctor."

## Joe David Bellamy To Read From Works

Joe David Bellamy, poet, editor and fiction writer, will read from his fiction at 8 p.m. Thursday, Sept. 22, in the Commons Coffeehouse, Anabel Taylor Hall. A wine and cheese reception will follow.

A member of the English faculty at St. Lawrence University, Bellamy attended Duke University and received his bachelor's degree from Antioch College and his MFA from the University of Iowa.

Bellamy is the publisher and editor of "fiction international," a literary magazine, and is founder and director of the St. Lawrence University/fiction international Writer's Conference at Saranac Lake (1974-1980), which enabled students and others to work with writers such as E.L. Doctorow, Joyce Carol Oates, Robie Macauley, Margaret Atwood, John Hawkes, Gail Godwin, Ann Beattie, Annie Dillard, and others.

He is also founder and director of the St. Lawrence Award for Fiction, an annual \$1,000 award presented since 1973 for an outstanding first collection of short fiction published in North America.

Bellamy has written several books in-

cluding "Apocalypse: Cominant Contemporary Forms," "The New Fiction: Interviews with Innovative American Writers," and "Moral Fiction: An Anthology." He was a Walt Whitman finalist for his book of poetry, "Olympic Gold Medalist." His articles and interviews have appeared in more than two dozen magazines.

Bellamy's reading is being sponsored in part by the Council of the Creative and Performing Arts and Poets and Writers, Inc.

## Libraries Plan Annual Book Sale Sept. 28-30

Cornell University Libraries' Annual Book Sale is scheduled for Sept. 28, 29 and 30 in the Uris Library Tower Room.

Although open to the general public on Thursday, Sept. 29, and Friday, Sept. 30, the sale is restricted to members of the Cornell community with valid IDs on Wednesday, Sept. 28.

There will be a large selection of Slavic, East Asian and Latin American materials for sale. Certain books will be up for bids on Wednesday and Thursday, with the results of the bidding announced Friday.

In all other cases books will be \$2 a volume on Wednesday (8:30 a.m. to 5 p.m.); \$1 on Thursday (8:30 a.m. to 5 p.m.) and on Friday they will be 50 cents a volume from 8:30 a.m. to 1 p.m. and all you can carry for \$1 from 1 to 3 p.m., when the sale ends.

## Wildlife Damage Control Focus for Conference

Scientists and others involved with controlling wildlife damage will meet at Cornell University this month to discuss techniques to control a host of wild animals that take heavy tolls of agricultural crops, forests, and even home grounds.

Prompted by the destructiveness of deer and other wild animals, including rodents, beavers, coyotes, ground squirrels, blackbirds, starlings, bats, gulls, and woodpeckers, some 200 scientists and representatives of public agencies and commercial industries will attend the first "Eastern Wildlife Damage Control Conference," scheduled in Ithaca Sept. 27-30.

It will feature 85 presentations on topics ranging from the importance of animal damage control and wildlife management in North America to the potential of mammalian sex attractants (pheromones) for use in wildlife damage control.

For information about the conference program, contact James E. Caslick, conference chairman, or Daniel Decker, both in the Department of Natural Resources. Caslick can be reached at 256-2106; Decker at 256-7695.

## Seminars Will Cover Libraries for Research

A general seminar for faculty and graduate students on the use of the library for research will be conducted from 10 a.m. to noon Thursday, Sept. 29.

Given by the Olin Reference Department, the seminar will be repeated: Wednesday, Oct. 5, from 7 p.m. to 9 p.m.; Tuesday, Oct. 18, from 1 p.m. to 3 p.m.; Monday, Oct. 24, from 1 p.m. to 3 p.m.; Thursday, Nov. 3, from 7 p.m. to 9 p.m.; and Wednesday, Nov. 9 from 10 a.m. to 12 noon.

All the seminars will be conducted in Olin Library Room 214. Sign-up at the Olin Reference Desk or call 256-3319.

Topics to be covered are reference materials, subject search strategies, COMPASS (Computer Assisted Search Service), U.S. Government publications, Olin's Union Card Catalogs, and interlibrary services.

## Latin, Greek Studies Awards Go To Four

Four Cornell University undergraduates have been recognized for excellence in Latin and Greek studies by the university's Department of Classics.

Receiving the Townsend Award are Michael Zaninovich, \$100, and David Rosenbloom, \$150. Zaninovich is a senior in the College of Arts and Sciences from Oxford, Ohio. Rosenbloom, a 1983 graduate of Arts and Sciences, is from Rochester.

The Lane Cooper Award of \$150, was presented to Douglas P. Julius, a 1983 Arts and Sciences graduate now living in Ann Arbor, Mich. The prize is presented annually to the student "who shall demonstrate the greatest promise in the application of classical learning to the problems of modern life."

The funds for the prize were provided anonymously by a former student of Lane Cooper, a professor of English at Cornell from 1902 to 1943, in gratitude for Cooper's help to him as an undergraduate.

Scott Bradwell, an Arts and Sciences graduate from Rensselaer, N.Y., was awarded the Bess and Max Cohen award of \$100. The award is made annually to the outstanding graduating senior in the Department of Classics.

## Campus Club Tea Is Scheduled For Today

The Cornell Campus Club will meet for its annual Fall Tea on Thursday, Sept. 22, in the Purcell Union Lounge (formerly North Campus Union) from noon to 2 p.m. to welcome newcomers and for activity group sign-ups for the 1983-84 year. All women connected with Cornell are eligible for membership, including women who work at Cornell or whose husbands work there, graduate student women, and wives of graduate students.

The Campus Club offers educational as well as social programs. It also has several volunteer-staffed, service-oriented activities. The International Committee, for example, welcomes international students and their families to Ithaca, offering English classes and helping them adjust to new surroundings.

The activity groups for which members may sign up range from antiques to swimming.

Future programs, open to the public, include the Campus Club's Annual Fine Arts Series at the Herbert F. Johnson Art Museum in February. Also there will be a brown bag lunch program on March 15 entitled "New and Old Varieties of Apples from Cornell" by Gene Oberly and a second one on April 12 entitled "Be an Informed Consumer" with Scott Mayhew. Details of these lectures will be publicized later.

Babysitting will be available at the Tea. Please call Fran Stiles 257-3600 for reservations. For further information about Campus Club activities, call Lina Hood, publicity chairwoman, at (315) 739-5458 evenings.

## 'The Meaning of Freedom' Is Lecture Topic

Swami Dayanada Saraswati, a master of Vedanta and Sanskrit who has undergone the traditional study of those disciplines, will lecture on "The Meaning of Freedom," at 7:30 p.m. Thursday, Sept. 29, in Anabel Taylor Hall Chapel.

Known throughout India as one of the most respected scholars and teachers, Swami Dayanada has been teaching Vedanta to the public for the past 17 years and has conducted three 30-month courses between 1972 and 1982.

Vedanta is a tradition of teaching through which "one comes to appreciate the essential nature of oneself as a free and

## SAGE CHAPEL

### Psychiatrist, Author Scott Peck To Talk

M. Scott Peck, psychiatrist and author, will speak at the 11 a.m. Sunday, Sept. 25, Sage Chapel convocation. His sermon topic will be "Christianity and Capitalism."

Peck, who is a practicing psychiatrist in New Preston, Conn., is a graduate of Harvard University. He received his M.D. from Case Western Reserve.

His book, "The Road Less Travelled" (A new Psychology of Love, Traditional Values and Spiritual Growth), was published in 1978. Of "The Road Less Travelled," critic Edmund Fuller of the Wall Street Journal wrote, "Dr. Peck's book is valuable and sometimes brilliant in its insistence that there is no distinction between the process of achieving spiritual growth and achieving mental growth. There are freshness and originality here."

Peck is now working on a book on the problem of evil.

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.

complete being," according to Philip Snyder, director of the Center for Religion, Ethics and Social Policy, one of the sponsors of the lecture. "This teaching," Snyder continued, "is contained in the Upanisads, the final portion of the Vedas. Handed down from teacher to student in an unbroken lineage, it has maintained its purity through the ages." In addition to CRESPE, the free public lecture, is also being sponsored by the Asian Studies Program and the India Association at Cornell.

## Euripides' 'The Bacchae' To Be Performed

A reading of Euripides' "The Bacchae" is scheduled for 8:30 p.m. Friday, Sept. 30, on the Willard Straight Hall Terrace. In case of inclement weather, it will be performed in the Memorial Room.

Cosponsored by the Classics Department, the College of Arts and Sciences, the Council of the Creative and Performing Arts, and the Willard Straight Hall Programming Board, the play reading will be performed by members of the Cornell and Ithaca communities.

Admission and refreshments are free. For further information, contact the Department of Classics at 256-3354.

## Bicyclists Are Reminded About Traffic Laws

The University Traffic Bureau has received numerous reports in the last few weeks of near accidents between motor vehicles and bicycles on Cornell campus roads. Unsafe operation of the bicycle is generally the cause, according to William E. Wendt, director of Transportation Services at Cornell.

He said a bicycle is a vehicle on the public highway and the driver is subject to the regular rules of the road, as well as special rules for bicyclists:

Obey all traffic signs and signals.  
Drive on the extreme right of the road.  
Signal all turns and stops.  
Ride no more than two abreast on the road.

New York State Motor Vehicle and Traffic Law as it pertains specially to bicyclists is found in Article 34, Sections 1230-1236.

For further information, call the Office of Transportation Services at 256-4628.