

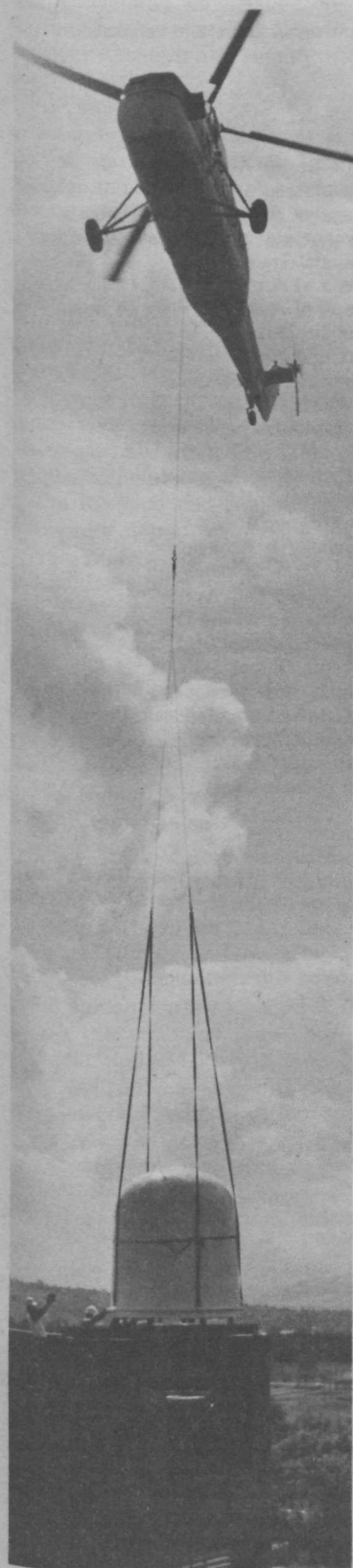


CORNELL CHRONICLE

Vol. 9 No. 4

Thursday, September 8, 1977

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It looks like a gigantic gumdrop being delivered to campus, but it is a radar dome for the weather station in Bradfield Hall. See story on page 3.

Freshmen, Parents Attend Convocation

Rhodes: Diversity Is Strength

Cornell University President Frank H.T. Rhodes welcomed some 3,000 new students, parents and others at the Convocation held Aug. 29 during Orientation Week, and likened the freshman experience at Cornell to his own experience as a new president.

"If you're a freshman like me, and I should say that I use the word freshman in the most comprehensive sense ... you'll have mixed impressions of your first encounters with Cornell No campus that I know of, here or in other countries, matches the splendor of the setting at Cornell," he said.

The convocation, which overflowed the prepared seating in Barton Hall, marks Rhodes' first public appearance on campus and was one of the best attended in recent years.

Rhodes spoke of Cornell's unique mission, the distinctive flavor of its campus and its

cosmopolitan nature: "Here you find men and women, students and faculty not only from every state but from every major nation of the world, developed and developing, east and west. Wherever you look, this is a campus of diversity. And that diversity, sometimes bewildering, is part of the strength which is Cornell."

Cornell, he noted, was the pioneer among Eastern universities in not only admitting but encouraging studies of women students.

He compared the class of 1981 and the first class of 1881 which arrived at a time when the University, like the students, was a "teenager." "Those students in the first class of '81 were born in a period of civil war. You have been born in a period of the restoration of civil rights. They were young when President Lincoln was assassinated. You were young when President Kennedy



At the Barton Hall convocation with parents and freshmen last week, which was attended by about 3,000 persons, President Frank H.T. Rhodes chats with some students.

was assassinated. They were born at a period of reconstruction. You have been born in a period of space exploration" he said.

But, in spite of the differences between the two classes there is a link that spans the century: a link of excellence in academic standards, of curiosity and inventiveness on the part of students and, most of all, a cherished link of freedom on the part of the learning community.

While most of the problems experienced by the University in its adolescent years are different from those of today, some problems linger, such as continuing increases in tuition and fees. "That problem is still with us, but at the time the class of 1881 entered fees had gone up from \$45 to \$75. But we're conscious

of the fact today that the spiraling costs of education threaten the diversity that we want to nourish as part of Cornell," he said.

As the father of two daughters who have gone to college and with two still to go, Rhodes told parents that, while children change when they go away to school, "they're not going to change so fundamentally that you won't recognize them when they come back home ... The exodus of sons and daughters to college will inevitably be a time of growth. It can be a time of growing apart ... but it should be a time of growing together."

Rhodes told the Class of 1981 they bring "enormously important gifts" to Cornell. The

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30-Day Grace Given On Bursar Bills

Because of a mixup in the forms used for billing, the 30-day grace period on bursar bills, before an interest charge is collected, will continue through the first semester.

It had been announced last spring that the grace period would end this July and that interest on bursar bills, at the rate of 1 per cent per month, would be payable after the billing date.

However, the disclosure language on bills rendered during the past couple of months is not in keeping with the new policy, prompting Controller John S. Ostrom to extend the grace period through this semester.

The grace means that no interest will be collected in the first 30 days after the due date on the

bill. July and August bills which have shown interest due without the grace period are being revised.

Except for contracts which continue through the second semester, the grace period will end with bills dated Jan. 10, 1978, Ostrom said.

Trustee Stories In Next Edition

Because the Chronicle was made up Wednesday afternoon, at the same time the Executive Committee of the University's Board of Trustees was meeting here, articles dealing with the committee's actions will appear in next week's edition.

Graduate Student Encouraged

Eagle Returns to Refuge

After a lengthy absence, the nation's symbol has returned to New York.

One of the two young bald eagles, transported to New York in June 1976 in an experiment to return eagles to New York State, has returned to the site where it learned to fly, after an absence of 10 months.

"This return is most encouraging," said Elizabeth Milburn, the Cornell graduate student who acted as a foster parent to the young birds, feeding and protecting them from danger. Milburn, who is a graduate student in wildlife ecology at the State College of Agriculture and Life Sciences, made the positive identification of the returning male on Aug. 20 at the Montezuma National Wildlife Refuge, where she is taking care of five new eaglets this summer.

"We feared that immature birds moved randomly until ready to mate during their fifth or sixth year," she said. "But this return indicates that the eagles have a homing instinct, even when they don't have their natural parents present during the period they learn to fly. Also, the return increases the possibility that the returning eagles will meet a mate."

"It is too bad the bird can't talk," she said. "It would be nice to know where it has been."

Milburn said her efforts to restore bald eagles in New York were prompted by a realization that their numbers had dwindled and, in New York State, they were close to extinction. Last year, when she began her project, only one nesting, non-breeding pair remained.

Last summer, on June 27, two bald eagles, including the

returned male, were transported from Wisconsin by commercial airliner to the Montezuma National Wildlife Refuge in Central New York. Elizabeth Milburn cared for the bird from its arrival, still covered with fluffy down and unable to fly, until Oct. 14, 1976, when it was last seen at the refuge. The second eagle has not been seen since mid-October of 1976.

The birds fish for food and the eagles left the refuge presumably for improved winter hunting grounds. Because of last year's severe winter weather, the streams at the refuge froze early.

Positive identification of the returned male was made from a wing tag. Milburn said the returning Eagle has some interaction with the five young eaglets she is now looking after.



Student Made Honorary Iroquois

Elizabeth "Tina" Milburn, second from left, was initiated Friday at the State Fair as an honorary member of the Iroquois Confederacy for her work to preserve the American bald eagle population in New York State. The Iroquois chose to honor the graduate student in wildlife ecology because the eagle was their national symbol long before the United States was formed. As part of the ceremony Tina received a gift from a representative of each of the six nations of the Iroquois Confederacy, and her new Indian name, "Yea-Non-Deh," which means "she feeds them." Milburn is the first woman so honored by the Iroquois.

University Bursar Named



Jean Merwin

Jean Merwin, associate bursar at Cornell University since July 1975, has been named University bursar, effective Sept. 5.

She will succeed James Lyon, who has resigned to accept a position with Information Associates Inc. in Rochester.

Merwin came to Cornell in 1973 as director of student loans and assistant director of financial aid. From 1970 to 1973, she served as director of financial aid at Elmira College. Merwin received a bachelor's degree in business and a master's degree in education from Elmira.

Merwin said that as bursar "I would like to continue Jim's emphasis on student service. We want to handle individual cases

on an individual basis, and we don't want to be viewed as a computer or machine."

The University bursar is responsible for student accounts and for billing all Cornell students. The bursar must also distribute collected tuition funds among the colleges in the University and among those departments whose bills are collected centrally, such as the housing and dining departments.

In addition, the bursar administers Cornell's student loan programs and is responsible for the "Cornellcard" charge card operation.

Merwin, a native of Rhode Island, is married to Clarke T. Merwin and lives at 318 Holden Rd., Pine City.

Job Opportunities At Cornell University

The following are regular continuing full-time positions unless otherwise specified. For information about these positions, contact the Personnel Department, B-12 Ives Hall. Please do not inquire at individual departments until you have contacted Personnel. An Equal Opportunity Employer.

Individuals on lay-off status will be given preference in referrals.
* Indicates new jobs in this week
(sh) Indicates shorthand required

POSITION (Department)

CLERICAL POSITIONS

Asst. Trade Book Mgr., A-18 (Campus Store)
Sr. Admin. Secretary, A-17 (Affirmative Action)
Sr. Admin. Secretary, A-17 (2) (College of Arch./Art/Plan. (sh))
*Administrative Secretary, A-15 (Psychology (1 year, possibly longer))
Administrative Secretary, A-15 (Personnel-Training)
Administrative Secretary, A-15 (College of Arch./Art/Plan. (sh))
Administrative Secretary, A-15 (College of Arch./Art/Plan. (9 mos.))
Administrative Secretary, A-15 (Chemistry (sh))
*Administrative Secretary, A-15 (Electrical Engineering)
Library Assistant III, A-15 (Univ. Libraries (Serials/Olin))
Head Account Clerk, A-15 (Graphic Arts Services)
*Head Account Clerk, A-15 (Civil & Environ. Engineering)
Principal Clerk, A-14 (Sociology)
*Principal Clerk, A-14 (Accounting, Endowed)
*Principal Clerk, A-14 (The Graduate School, Admissions Office)
*Department Secretary, A-13 (State Programs)
Department Secretary, A-13 (Neurobiology & Behavior)
Department Secretary, A-13 (Civil & Environ. Engineering)
Department Secretary, A-13 (Cornell United Rel. Work)
Department Secretary, A-13 (2) (Engineering Deans Office)
Department Secretary, A-13 (Computer Sciences)
*Department Secretary, A-13 (Presidents Office)
*Multi-Machine Operator, A-13 (Graphic Arts Services)
*Multilith Machine Operator, A-13 (Graphic Arts Services)
*Sr. Key Punch Operator, A-13 (Computer Services)
Senior Clerk, A-12 (Typewriter & Instrum5 Repair)
Library Asst. II, A-12 (Univ. Libraries (Serials/Olin))
Records Clerk, A-11 (Personnel)
Records Clerk, A-11 (Grad School)
Secretary, NP-11 (Design & Environ. Analysis)
Technical Aide II, NP-11 (Div. of Nutritional Sciences)
*Administrative Secretary, NP9 (Veterinary Pathology)
Steno III, NP-9 (Natural Resources)
Steno III, NP-9 (Animal Sciences)
Administrative Secretary, NP-8 (Extension Administration)
*Steno II, NP-6 (Human Ecology Ext. Admin.)
Steno II, NP-6 (NYSSILR)
Steno II, NP-6 (Mastitis Control)
Steno II, NP-6 (Poultry Science)
Steno II, NP-6 (Rural Sociology)
*Steno II, NP-6 (Education)
*Statistics Clerk II, NP-6 (Agricultural Economics)
*Steno II, NP-6 (Animal Science)
*Steno II, NP-6 (Poultry Science)
Steno I, NP-5 (Albert R. Mann Library)
*Steno I, NP-5 (Agricultural Economics)

ADMINISTRATIVE POSITIONS

Facilities Coordinator, CP08 (Finance & Business Office)
Director of Lab Operations I, CP08 (Drug Testing (Diagnostic Lab) (Saratoga))
Director of Utilities, CP08 (Facilities & Business Operations)
Director of Employee Relations, CP06 (Personnel Services)
Comp. Tech. Admin., CP06 (Office of Computer Services)
Manager of Employee Benefits, CP06 (Personnel Services)
*Counselor-Therapist II, CP06 (Univ. Health Services, Mental Health Sect.)
Professional Chef, CP05 (Dining Services)
Comp. Tech. Admin. II, CP05 (2) (Office of Computer Services)
Assistant Bursar, CP05 (Office of the Bursar)
Physiotherapist, CP04 (University Health Services)
*Health Associate I, CP03 (University Health Services)
*Health Associate I, CP03 (University Health Services (temp. f/t))
Student Development Spec. II, CP03 (Arts & Sciences)

TECHNICAL POSITIONS

Senior Elect. Tech, A-21 (Chemistry)
Supervising Electronics, A-21 (Office of Computer Services)
Radiological Control Tech., A-20 (Life Safety)
Control Mechanic (Physical Plant Operations (Union Job))
*Senior Research Tech., A-18 (Psychology)
Research Aide II, A-16 (Psychology)
Programmer C, NP-13 (Education)
Research Tech. III, NP-12 (Vet Microbiology)
*Tech. Aide, NP-11 (Natural Resources (perm. p/t))
*Research Technician II, NP-10 (Div. of Nutritional Sciences)
*Research Technician II, NP-10 (Pomology)
*Research Technician II, NP-10 (Plant Pathology (1 year))
Research Tech. II, NP-10 (Food Science & Tech. (Geneva))
Research Tech. II, NP-10 (Diagnostic Laboratory)
*Lab. Tech. I, NP-8 (Veterinary Microbiology)
Laboratory Tech. I, NP-8 (Mastitis Control)
*Lab Tech. I, NP-8 (Biochem., Molecular & Cell Biology)
*Program Aide I, NP-5 (5) (Cooperative Extension (East Harlem))
*Program Aide, NP-5 (Human Dev. & Family Studies (temp. p/t))
*Programmer A, CP04 (Plant Breeding & Biometry (Computer Activities Group))
*Research Support Spec., CP05 (Agronomy)
Research Support Spec. II, CP04 (Vet Pathology (Protein Biochem.))
*Research Support Spec. I, CP03 (Community Service Education)
Research Support Spec. I, CP03 (Agronomy)
Research Support Spec. I, CP03 (Chemistry)
Research Support Spec. I, CP03 (Agr. Engineering)
*Applications Programmer I, CP03 (Agricultural Economics)
*Applications Programmer I, CP03 (Computer Services)
*Temporary Service Tech. (Pomology & Viticulture (Geneva))

SERVICE & MAINTENANCE POSITIONS

Experimental Machinist, A-19 (LASSP)
Cook, A-17 (Dining Services)
Mechanic I, A-15 (Physical Education & Athletics)
*Custodian A-13 (2) (Residence Life)
Hd. Food Service Worker, A-13 (Dining Services)
*Greenhouse Worker, NP-8 (L.H. Bailey Hortorium (temp. p/t))

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Cornell Third in Nation to Qualify

Vet Labs Accredited

The laboratory animal facilities at the New York State College of Veterinary Medicine, Cornell University, have been fully accredited by the American Association for the Accreditation of Laboratory Animal Care (AAALAC), indicating that they meet AAALAC standards for sanitation, husbandry, animal comfort and adequacy of veterinary care, according to Dr. E.C. Melby, Jr., college dean.

AAALAC is a national professional organization for accrediting universities, hospitals, medical schools, government laboratories, colleges of veterinary medicine and other institutions that maintain laboratory animals for their teaching and research purposes. Although the animal facilities at more than 250 institutions have been upgraded since the accreditation program was begun 10 years ago, Cornell is the third college of veterinary medicine in the nation to be accredited.

(The accreditation of the laboratory animal facilities has no direct bearing on the college's accreditation as a degree-granting institution. The college was given a five-year "probational accreditation" by the American Veterinary Medical Association's (AVMA) Council

on Education in May 1976 pending increased staffing in some of its clinical specialty areas and improvements to parts of its physical facility. The college is actively working to comply with the recommendations made by the AVMA group as soon as possible.)

Dr. Clyde Boyer, director of the Division of Laboratory Animal Medicine and Services at the college, explained that the college requested an accreditation review because it felt it should provide for the proper care and comfort of its animals, and because improved health of laboratory animals would facilitate the research and teaching programs at the college.

AAALAC accreditation also satisfies the requirements for maintaining laboratory animals established by the National Institutes of Health for institutions receiving its grants and contracts.

The college was given provisional accreditation in 1975, following a site visit and review of its facilities. The college implemented the AAALAC recommendations and was given full accreditation in June, following a second site visit and facility review.

"Without the hard work and dedication of the animal service personnel and the cooperation of the staff of the college departments, this effort would not have succeeded," said Dr. Boyer. "There is no doubt that accreditation improves the morale of animal care personnel, giving the staff pride and a continued desire to provide quality care."

Dr. Melby believes Cornell should now work toward University-wide accreditation of its laboratory animal facilities as evidence of its interest in and concern for animal welfare.

"The use of animals is necessary in the University's teaching and research programs, but to assure quality results, the care of animals must be of the highest caliber. Facilities which meet the high standards of AAALAC accreditation offer the best training for today's veterinary and graduate students," Dr. Melby said.

"A full-time clinical laboratory animal veterinarian for the entire University would be an important step toward promoting University-wide accreditation because adequate veterinary care is mandated by federal animal welfare laws and is a prerequisite of AAALAC accreditation," he added.

Surface Chemistry Authority

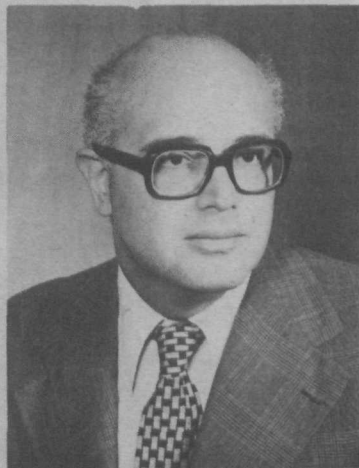
Baker Lecturer Announced

Gabor A. Somorjai, professor of chemistry at the University of California, Berkeley, and a principal investigator at the Materials and Molecular Research Division of the Lawrence Berkeley Laboratory, will deliver the 1977 Baker Lecture Series.

The lectures, to be held at 11:15 a.m. Tuesdays and Thursdays from Sept. 20 through Nov. 10 in 200 Baker Laboratory, will focus on selected electrical properties of surfaces, surface diffusion and thermodynamic properties of surfaces. Discussion sessions will be held at 4:40 p.m. Wednesdays in Baker 132.

The Baker Lectures, one of the most prestigious chemistry lecture series in the country, were endowed in 1925 by George Fisher Baker "to invite the most eminent chemists of the world" to lecture at Cornell. Almost a dozen Nobel laureates have been among the Baker lecturers, and the lectures have been the basis for several books.

Somorjai is the author of more



Gabor A. Somorjai

than 150 scientific publications in the fields of surface chemistry, solid state chemistry and heterogeneous catalysis. His textbook "The Principles of Surface Chemistry" (1972) has been translated into Spanish and Japanese.

He is on the editorial boards of the Journal of Solid State Chemistry and the Journal of Colloid and Interface Science. He also is a member of the Solid

State and Materials Sciences Committee of the National Research Council.

Somorjai was a Guggenheim fellow in 1969, a Unilever Visiting Professor at the University of Bristol, England in 1972 and chairman of the Division of Colloid and Surface Chemistry of the American Chemical Society in 1975.

He received the Kokes Award from The Johns Hopkins University and became a fellow of the American Physical Society in 1976. He received the Emmett Award for basic research in catalysis from the American Catalysis Society in 1977. Somorjai has been appointed a Miller Professor at the Miller Institute for Basic Research at Berkeley for the 1977-78 academic year.

He holds the B.S. degree in chemical engineering from the University of Technical Sciences in Budapest, Hungary, and the Ph.D. in chemistry from the University of California at Berkeley, awarded in 1960.

Health Insurance Plan Is Explained

Mary Little, the student health insurance representative at Cornell University, has issued information to explain the Cornell Student Accident and Health Insurance Plan:

All students who are registered full-time or in absentia at Cornell are automatically enrolled in the Accident and Health Insurance Plan and have been billed for coverage on their Aug. 10, 1977, bursar's bill. Waiver forms have been sent to all students, and students who do not wish to be covered under the Cornell plan, either because they have their own private plans or because they don't wish any coverage, have until Sept. 26 to deliver completed waiver forms to the Student Insurance Office in Gannett Clinic.

Non-student spouses of Cornell students have until Sept. 30 to decide if they want to be covered under the student insurance plan.

The Cornell plan is designed to cover most of the services and medical expenses which are not provided to students by the University Health Services.

The insurance provides coverage to students while they are out of the Ithaca area and during the summer when non-registered students can use the health services on campus only on a fee-for-service basis.

For students in the Ithaca area during the academic year, the Accident and Health Insurance plan will provide benefits for non-University medical care only in the event of a medical emergency, or if the students have been referred by University Health Services for off-campus care.

In case of accidental injuries, the insurance plan pays the first \$500 of covered charges incurred at 100 per cent under the primary benefit. Any covered charges in excess of \$500 will be paid at 80 per cent under the major medical provision, to a maximum of \$20,000.

The expenses of each illness, will be paid according to the following guidelines:

Up to \$85 per day for 30 days for hospital room charges; the first \$500 of miscellaneous hospital expenses; surgical costs based on a surgical fee schedule accepted for general use in New York State, daily hospital visits by a physician up to \$7 per day on non-surgical cases; outpatient visits to a physician up to \$5 starting with the second visit up to 30 visits; outpatient expenses for such things as x-ray and laboratory services to a maximum of \$50; ambulance fees to a maximum of \$50; consultations requested by a physician up to \$35; infirmary charges starting with the 15th day up to \$50 per day for 30 days (the first 14 days are provided by Cornell

University Health Services). Any additional reasonable and customary charges will be covered under the major medical payable at 80 per cent, after a \$100 deductible has been satisfied for the illness, to a maximum of \$20,000.

Pregnancy is covered as an illness with a limit of four days of hospital care except in the case of complications. If a pregnancy results in a legal abortion, benefits will be paid to a maximum of \$250.

Mental or emotional disorders are paid at \$10 per outpatient visit starting with the second visit for 10 visits. Regular hospital benefits are payable if the patient is hospitalized. Charges not payable through these benefits, which are covered by major medical, will be reimbursed at 50 per cent to a maximum major medical payment of \$1,500.

The cost to students for this program is \$76.65. The premium for non-student spouses of Cornell students is \$299, and coverage of one or more children costs \$85.

Mary Little has urged students to investigate the Cornell insurance plan thoroughly before deciding whether or not to accept the coverage. "Experience has indicated that many students who feel that they have adequate coverage elsewhere really do not," Little said.

In the event that a student waives coverage and then wishes to re-enroll after Sept. 26, re-enrollment will be permitted only if the student is dropped from his or her present outside insurance coverage because of an age change or a change in marital status. Even in these instances, the students will be required to supply medical proof of insurability acceptable to the insurance company.

Little said the premium costs for individual students are extremely low in comparison with most outside plans, and she emphasized that the Cornell plan provides both basic hospital and surgical coverage as well as major medical coverage.

Claim forms for those students and families enrolled in the Accident and Health Insurance Plan are available throughout the year at the Student Insurance Office in the Gannett Clinic. Mary Little and Maryann Sivak are available there from 8 a.m. to 4:30 p.m. Monday through Friday to process claims and help students with problems relating to insurance.



The radome is gently lowered into place on top of Bradfield Hall.

Detects Thunderstorms 100 Miles Away

Weather Radar Arrives

Dangling on nylon straps from a helicopter, some 1,000 pounds of weather radar equipment were lowered last week onto a frame atop Bradfield Hall that was only a sixteenth of an inch — the thickness of a penny — wider than the base of the equipment.

The equipment is part of a weather radar system being transferred to Cornell's Department of Atmospheric Sciences from the National Weather Ser-

vice station at the Binghamton airport. It was trucked by department personnel to Caldwell Field, where it was repainted and stored until it could be installed by Carson Helicopter Service of Perkasio, Pa.

Bernard E. Dethier, professor of atmospheric sciences, explained that the new radar system will be able to detect a thunderstorm with its top at 30,000 to 40,000 feet altitude as much as 100 miles from

Ithaca. While it is intended primarily as a research instrument, it will also be a valuable forecasting aid, particularly during severe storm situations.

At present the nearest radar stations monitored by Cornell are in Pittsburgh, Buffalo and New York City. These provide little coverage of the Central New York area because of their distance from Ithaca and the hilly terrain in between.

Plantations Announces Fall Courses

Nature programs for fourth, fifth and sixth graders and their parents are being offered for the first time this fall as part of the Cornell Plantations' fall educational program.

The course, entitled "Exploring Natural Communities," will examine four different ecological communities—a field, a forest, a pond and stream, and civilized habitats. Simple ecological concepts such as energy, recycling and adaptation will be illustrated by collecting and releasing animals and playing games such as "I was, I am, I will be," to illustrate the mechanism of the food chain.

Taught by Marsha Guzewich,

a graduate student in Cornell's Environmental Education Program, the course will meet from 9:30 a.m. until noon on Saturdays, Sept. 10, 17, 24 and Oct. 1. The fee is \$15.00.

Other educational offerings from the Plantations during September are:

—"Fall Wildflowers and Ferns," taught by Bob Wesley, a recent Cornell graduate. The course will feature the fall wildflowers and ferns that are less well known than those that bloom in the spring and will include field trips to help students develop their skills in visual identification. The course will meet from 7:30 to 9:30 p.m.

Wednesdays, Sept. 7, 14 and 21 and from 9:30 a.m. until noon on Saturdays, Sept. 10 and 17. The fee is \$15.

—"Natural Areas: Bogs and Marl Ponds," taught by Wesley and Jack Putz, a graduate student in ecology at Cornell. The course will explore the peculiar geological and ecological features of these environments and will include field trips to Junius Ponds and Zurich Bog. The course will meet from 7:30 to 9:30 p.m. Wednesdays, Sept. 28 and Oct. 5, and from 8:30 a.m. to 1 p.m. Saturdays, Oct. 1 and 8. The fee is \$12.

—"Mushrooms" by Linda Kohn of Cornell's Department of

Plant Pathology, who has taught a similar course at the University of Vermont. Designed for the beginning mushroom hunter, it will cover identification of unknown species and techniques of collection and preservation. The course will meet from 7:30 to 9:30 p.m. Thursdays, Sept. 8, 15, 22 and 29, and will include one Saturday morning field trip. The fee of \$30 includes a copy of "Edible and Poisonous Mushrooms of Canada."

—"Poisonous Plants," taught by Dr. Mary Smith of the College of Veterinary Medicine. The course will cover a wide range of topics including the use of plants

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CORNELL CHRONICLE

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BTI Building Ahead of Schedule

The Boyce Thompson Institute for Plant Research (BTI) should be housed in its new facility at Cornell University by this time

next year, according to construction officials.

The \$8.5-million facility was begun in the fall of 1976 and is

"quite a bit ahead of schedule," according to Henry McGuire, project manager for McGuire and Bennett Inc. of Ithaca, general

contractors on the building.

The original timetable called for the project to be completed by March 25, 1979, McGuire

said, but he expects to be finished by June 1978. "This type of work, reinforced concrete, is the kind we move well," he explained.

BTI has gained an international reputation for achievements in such fields as regulation of plant growth, causes of plant diseases, chemical and biological control of pests and the effects of air pollution on plants.

The institute has been located in Yonkers, N.Y., since its founding by Col. William Boyce Thompson more than 50 years ago. However, the urbanization of the area forced the institute's directors to begin seeking another location several years ago. Cornell worked with the State University of New York in requesting that BTI move here, and the New York State Legislature authorized the construction of the new facility in 1973.

The new BTI facility is being built on Tower Road, east of Morrison Hall and west of the New York State Veterinary College's Multicategorical Research Tower.

It will contain a two-story administrative wing and auditorium, a four-story research area, a one-story plant culture area containing both growth chambers and treatment rooms, and 20 greenhouse sections of 500 square feet each.

The new building will house all of the standard biology laboratories, with facilities for work in plant biochemistry, plant pathology, plant physiology and virology.

"Both the new building and the one we're leaving in Yonkers will be top-notch research facilities, but the one in Ithaca will have the advantage of being more than 50 years newer," according to Dr. Duane Torgeson, secretary of the BTI corporation.

Cooperative research with the New York State College of Agriculture and Life Sciences at Cornell will create one of the world's largest centers for plant and related research.

"Initially, the work we'll be doing in Ithaca will be very similar to what we're doing in Yonkers," Dr. Torgeson said. "Later, we'll do more collaborative programs with the agriculture college and others at Cornell."

Approximately 60 of the 67 BTI staff members invited to move to Ithaca are expected here next summer, Dr. Torgeson said.

"We expect all of our senior staff members—that is, all of our Ph.D. and post-doctoral people—to come to Ithaca," he said. "Most of our junior staff, those people with bachelor's degrees who provide the technical help will move also."



Despite the severe Winter of '77, construction on the new Boyce Thompson Institute on Tower Road is well ahead of schedule. Construction officials from McGuire and Bennett Inc. of Ithaca anticipate finishing the \$8.5-million building by next June, some 10 months ahead of the original timetable.

Comment

Chronicle Comment is a forum of opinion for the Cornell community. Address comments to Elizabeth Helmer, Managing Editor, Chronicle, 110 Day Hall. Letters submitted for publication in the Chronicle must be typed, double space, with 75 characters to a line, no more than 600 words in length. The Chronicle intends to adhere to this limit because of space and financial restrictions. The deadline is Monday noon at 110 Day Hall. Letters addressed to someone other than the editor, personal attacks against individuals or unsigned letters will not be printed.

'Field Staff Need Recognition'

Editor:

In your Aug. 11, 1977 edition of the *Chronicle* you listed the names of Cornell women leading or participating in workshops at the Albany meeting of New York State Women. My name was omitted from the list and, for the record, I would like to have my participation recognized. Too often the field staff toiling in the canyons of New York City fails to receive recognition for efforts on behalf of Cornell.

My participation on the panel "Changing Education for City Women" highlighted the contribution of Cornell's Cooperative Extension program in New York City, particularly in the areas of nutrition and consumer education. Christine Page, a supervisor in the Expanded Food and Nutrition Program in Schenectady, part of the Cornell Cooperative Extension network in New York State, made a remarkable contribution with her report of success in changing lives of families enrolled in her program in the city of Schenectady.

It's important for the *Chronicle* to serve those of us working away from campus, and it can do that best by making sure our ac-

complishments are recorded right along with on-campus faculty and staff news.

Thank you for the fine job you are doing and continued success with the *Cornell Chronicle*.

Elaine Rose-Ruderman
Extension Associate
Consumer Education

Plantations Courses

Continued from Page 3

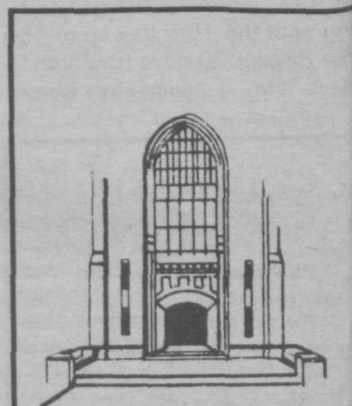
that poison by sorcerers and magicians, the toxic parts of houseplants and the plants poisonous to domestic animals. The course will meet from 7:30 to 9:30 p.m. Tuesdays, Sept. 13, 20 and 27 and will include a visit to the W.C. Muenscher Poisonous Plants Garden at the College of Veterinary Medicine. The course fee is \$15.

Persons interested in Plantations courses can register by mail or in person at the Cornell Plantations office, 100 Judd Falls Road. For more information contact the Plantations at 256-3020.

Job Opportunities

Continued from Page 2

- Auto Mechanic I, NP-8 (State College Fleet)
- *Janitor, NP-6 (Custodian (Geneva))
- ACADEMIC & FACULTY POSITIONS (Contact Department Chairperson)
- *Asst./Assoc. Professors of Anatomy (2) (Veterinary Anatomy)
- Extension Associate (Regional Dairy Specialist) (Batavia, N.Y.)
- *Extension Associate (Sea Grant) (Stony Brook, N.Y.)
- *Research/Extension Associate IV, CP06 (N.Y.S. College of Agric. & Life Sciences)
- *Extension Associate III, CP05 (N.Y.S. College of Agric. & Life Sciences)
- *Res. Assoc. II, CP04 (Applied & Engr. Physics)
- Research Assoc. I, CP03 (2) (Entomology)
- Asst. Librarian, CP02 (Univ. Libraries/B&PA)
- Lecturer (Women's Studies Programs (temp. p/t))
- These are all regular full-time positions unless otherwise specified.*
- PART-TIME AND TEMPORARY POSITIONS
- (All Temporary and Part-time positions are also listed with Student Employment)*
- Admin. Secretary, NP-8 (2) (Community Service Educ. (temp. f/t))
- Steno II, NP-6 (NYSSILR (temp. f/t))
- Steno I, NP-5 (Agronomy (perm. p/t))
- Sr. Admin. Secretary, A-17 (Government (temp. p/t))
- *Library Asst. IV, A-17 (Univ. Libraries Catalog/Olin (temp. f/t))
- Admin. Secretary, A-15 (Economics (temp. f/t))
- Admin. Secretary, A-15 (S.E. Asia Program (perm. p/t))
- Dept. Secretary, A-13 (Psychology (temp. f/t))
- Dept. Secretary, A-13 (Civil & Environ. Engineering (perm. p/t))
- Dept. Secretary, A-13 (Asia Studies (temp. p/t))
- Dept. Secretary, A-13 (Law School (1 yr. appt.))
- Dept. Secretary, A-13 (Biological Sciences (perm. p/t))
- Dept. Secretary, A-13 (History of Art (perm. p/t))
- Secretary, A-13 (Glee Club (perm. p/t))
- *Library Assistant II, A-12 (Univ. Libraries, Maps, Microtext, Newspaper/Olin (perm. p/t))
- Senior Clerk, A-12 (2) (Graphic Arts Services (perm. p/t))
- *Senior Typist, A-12 (Law School (temp. p/t))
- Temp. Service Clerical (NYSSILR (NYC) (temp. f/t))
- Research Tech., NP-14 (Natural Resources (temp. f/t))
- Programmer, A-21 (Personnel Services (temp. f/t))
- Programmer, A-19 (LASSP (temp. p/t))
- Cook, A-17 (Dining Services (temp. f/t))
- *Cook I, A-15 (Dining Services (temp. f/t))
- *Cashier, A-11 (Dining Services (temp. f/t))
- *Cashier, A-11 (B&PA (temp. p/t))
- Technical Aide I, A-17 (Div. of Biological Sciences (temp. p/t))
- Lab. Tech. I, NP-8 (Biochem., Molecular & Cell Biology (perm. p/t))
- Regional Director I, CPO-4 (Univ. Develop. (temp. p/t) (Cleveland))
- Temp. Serv. Prof., Applications Programmer I, CP03 (Computer Services)
- *Extension Support Aide, CP02 (Community Service Education (temp. p/t))
- Extension Support Aide, CP02 (Human Develop. & Family Studies (temp. p/t))
- Research Support Aide, CP02 (Agricultural Engineering (temp. f/t))
- Department Secretary, A-13 (Asian Studies (temp. p/t))
- Steno II, NP-6 (2) (NYSSILR (perm. p/t))
- Administrative Secretary, NP-8 (Community Service Education (perm. p/t))
- *Typist A-11 (General Services (2-4 weeks))



WILLARD STRAIGHT HALL

University Theatre Announces Program

Four Plays Planned for Fall

The Cornell University Theatre 1977-1978 Winter Season will take Cornell theatre back downtown for the first time since the early part of the century, and will introduce two new directing talents to local audiences.

It also brings the works of two playwrights not previously seen in Ithaca. Season tickets are now available by mail for the series, with a 25 per cent discount from single admissions for the four plays. Full details are available at the Theatre Business Office (256-5165).

Opening the season will be Ivan Turgenev's "A Month in the Country." It plays in the Willard Straight Theatre Oct. 6-9 and 13-15. Turgenev preceded Chekhov in shifting focus from the external forces dominating drama to internal conflict. His portrait of two women in love will be directed by Marvin Carlson.

For its first performances in downtown Ithaca's Strand

Theatre, the theatre will offer William Shakespeare's "Romeo and Juliet." Dates are Nov. 10-13 and 17-19, with a matinee performance scheduled for Sunday, Nov. 13. The classic tale of the youthful Romeo Montague and Juliet Capulet will be directed by Stephen Cole.

Third in the series will be a French work rarely seen outside of France, written in 1730 for Paris' Italian Theatre — Pierre Carlet de Chamblain de Marivaux's "The Game of Love and Chance." In the Willard Straight Theatre March 2-5 and 9-11, it will introduce local audiences to director Richard Shank.

Final play of the series and given in the Strand Theatre will be Luigi Pirandello's strange psychic glimpse into the mechanism of a dramatist's mind at work, "Six Characters in Search of an Author." It will be directed by another newcomer to the Theatre Arts faculty, Jagienka

Zych, who comes from the University of Texas at Austin. It will be given April 27-30 and May 4-6. Six characters created by an author and then abandoned because he can no longer control them, interrupt a director and his cast in rehearsal, demanding that they act out their unfinished story.

The Winter Season also includes two productions in Drummond Studio. The first, scheduled for Oct. 20-23 and 27-29, is still to be announced. Lewis John Carlino's "Telemachus Clay" will be given April 6-9 and 13-15, directed by James Wilson, a newcomer to the Theatre Arts faculty last year.

Tickets for all Cornell University Theatre productions will be sold at the Willard Straight Theatre Box Office, lower floor, 3 to 6 p.m. Monday through Friday, on announced dates. Plays produced in the Strand Theatre will also be available at that box office, during regular hours to be announced.

Pentangle II Schedule

Free Films to Be Shown

Films of historical and artistic importance from such directors as Hitchcock, Herzog and Renoir will be shown free on Friday nights through the Pentangle II program, sponsored by the College of Arts and Sciences.

Now in its third year, "Pentangle II" is devoted to bringing the best in cinematic art to the Cornell and Ithaca communities, according to Don Fredericksen, program committee chairman and assistant professor of theatre arts. All screenings are free and open to the public.

Films will be shown each Friday from Sept. 9 through Dec. 16 in Uris Auditorium. The "Pentangle II" schedule is as follows: Sept. 9—"Rules of the Game" (Renoir, 1939, France); short: "Glass" (Haanstra, 1958, Netherlands), 7 p.m.

Sept. 16—"All Quiet on the Western Front" (Milestone, 1930, US); short: "21-87" (Lipsett, 1963, Canada), 7 p.m.

Sept. 23—"Murder" (Hitchcock, 1930, UK); short: "Necrology" (Lawder, 1970,

US), 7 p.m.

Sept. 30—"Land of Silence and Darkness" (Herzog, 1971, W. Germany); short: "Precautions Against Fanatics" (Herzog, 1969, W. Germany), 7 p.m.

Oct. 10—"Antonio des Mortes" (Rocha, 1969, Brazil); short: "Dream of the Wild Horses" (De Daunant, 1962, France), 7:30 p.m.

Oct. 14—"The Bridge" (Wicki, 1960, W. Germany); short: "Imprint" (Cardon, 1975, France), 7:30 p.m.

Oct. 21—"Isn't Life Wonderful" (Griffith, 1924, US), 7:30 p.m.

Oct. 28—"Alice Adams" (Stevens, 1935, US); short: "The Tempest" (Olvey and Brown, 1969, US), 7:30 p.m.

Nov. 4—"Cousin Angelica" (Saura, 1974, Spain); short: "Introduction to Arnold Schoenberg's 'Accompaniment to a Cinematographic Scene'" (Straub, 1973, W. Germany), 7:30 p.m.

Oct. 11—"Passion of Joan of Arc" (Dreyer, 1928, France);

short: "Meshes of the Afternoon" (Deren, 1943, US), 7:30 p.m.

Nov. 18—"Capricious Summer" (Menzel, 1968, Czech); short: "Chinese Firedrill" (Hindle, 1968, US), 7:30 p.m.

Dec. 2—"Happiness" (Medvedkin, 1934, USSR); short: "The Train Rolls On" (Marker, 1974, France), 7:30 p.m.

Dec. 9—"Middle of the World" (Tanner, 1974, Switzerland); short: "All My Life" (Baille, 1966, US), 7:30 p.m.

Dec. 16—"Destroy She Said" (Duras, 1969, France); short: "Panta Rhei" (Haanstra, 1954, Netherlands), 7:30 p.m.

Haydn Festival

Jean Hakes To Perform

Songs and sonatas by Joseph Haydn will be featured Sept. 10 and 11 in the second weekend of Cornell festival concerts honoring the 18th century composer.

Jean Hakes, soprano, will sing groups of his German, English and Scottish songs. Using a fortepiano, the prototype of the modern piano, Malcolm Bilson will play two sonatas: F Major, No. 23 and E flat Major, No. 49. Two performances of the program will take place at 8:15 p.m. Saturday and 4 p.m. Sunday in Barnes Hall Auditorium.

Invented in the early part of the 18th century, the fortepiano is a close relative of the harpsichord, with the same light action and clear sound. It was innovative in that the strings are struck rather than plucked as in the harpsichord. The Cornell audience will have an opportunity to hear the sonatas as they were heard in Haydn's era.

Jean Hakes is known in musical circles for her contributions to 17th and 18th century music performance. She is a professor of music at Brooklyn College, where she also directs a Collegium Musicum. A visiting professor at Cornell last year, she

FOOD

BY

FROSH

CLUB

SUPERSONIC SPECIAL	
Ice Cream with Sauce and Cookies	25c
PLUTONIAN SPECIAL	
Hot Dog and Accessories	20c
ROCKET JUICE	
An Ice Cold Coke	10c
HOT MARS TODDY	
Coffee with Cream and Sugar	10c
SPACE CHIPS	
Potato Chips	10c
JET TUBES	
Cigarettes: Chesterfields, Camels, Lucky Strikes, Pall Malls.	

SPONSORED BY FRESHMAN CLUB OF C. U. R. W. — THE CLUB OF THE FRESHMAN CLASS
FEBRUARY 2, 1952

Bargains abound, but you're 25 years too late. This poster was found by a crew cleaning in Barton Hall.

Rhodes Sweeps Clean

President Frank H.T. Rhodes' first month on campus has provided more than figurative meaning to the old expression, "A new broom sweeps clean."

In cleanup preparations for his visit to Barton Hall, custodians removed the semi-permanently installed steps in the balcony of the hall and discovered, among other things, a ticket stub from the March 18, 1922, basketball game against Yale. (Cornell won 37 to 19.)

Intrigued with his find, custodian Donald Case kept a sharp

eye out for other items, and found coupons from the University's 1935-36 and 1945-46 athletic books, the top from an ice cream cup with the picture of movie star Peggy Ann Garner (probably from the '40s) and a poster listing food sold by the 1952 Frosh Club at athletic events.

The wooden steps have been bolted back on their concrete base for a few more years, perhaps until 2032, cleaning schedules permitting.

Architecture Report Reviews Degrees

A 275-page report concerning degrees awarded at Cornell University in the fields of architecture, art and planning during the last 100 years has been published by the Cornell Program in Urban and Regional Studies.

The report is titled "Degrees Conferred: The First 100 Years, 1876-1976" and was compiled by Barclay G. Jones, professor of city and regional planning. It consists primarily of four tables: a list of degree recipients by year; a list of recipients of each of the degrees awarded by the graduate fields; a list of thesis titles and authors by degree and by graduate field, and an alphabetical index of all graduate degree recipients. A brief introduction describes the evolution of the graduate programs.

Jones said the report con-

cerns the graduate fields now related to the College of Architecture, Art and Planning, and is intended to provide a statistical and historical survey of one of the oldest sets of graduate programs in these professional fields in the country.

The report is available for \$7.50 from the Program in Urban and Regional Studies, 726 University Ave.





Lewis S. Roscoe, manager, architectural section of Design and Project Management, (left) and Ralph Bacon, design project manager have found an alternative to automobile transportation on campus... mopeds, low-speed motorized bikes.

Moped Use Affected By New Regulations

Mopeds, motorized versions of bicycles, are gaining in popularity and making their appearance on the Cornell University campus.

The Cornell Office of Transportation Services is encouraging use of mopeds as an alternative to automobile transportation on campus. However, acting transportation director Lauren Brisky Harris is advising all moped drivers to be aware of new state regulations effective Oct. 1, 1977.

A bill recently approved by Gov. Hugh L. Carey requires all moped users to have drivers' licenses and to register vehicles with the New York State Department of Motor Vehicles. Mopeds which are legally defined as limited use motorcycles class "C" cannot go over 20 miles per hour. Last year when the State

Legislature legalized mopeds, the official speed limit was 17 miles per hour and no license or registration was required.

Drivers of motorized bicycles that exceed 20 miles per hour will be required to wear helmets and have their vehicles insured.

While mopeds do not have to be licensed with Cornell's transportation department, they should be registered with the Department of Public Safety for the owners' protection, Harris said, just as bicycles should be registered.

Mopeds in motion should obey all traffic laws. They should not be driven on sidewalks. They should not be parked in vehicular parking spaces. They may be parked in bicycle racks, Harris said.

Safety Promotes Two to Sergeant

Two promotions to sergeant have been made by the Department of Public Safety. Harry D. Cooper Jr. and Marc L. Whitney were named to the new posts by Department Director William McDaniel.

The additional positions come about as a further step in the restructuring of the department, which has now assumed responsibility for traffic and parking enforcement on campus.

Cooper, 37, is a graduate of Newfield Central School who has been employed at Cornell since 1962, the last eight years of that time with Public Safety, seven of those years as an investigator.

He has taken police courses at Auburn Community College, Tompkins-Cortland Community College and several police schools.

Whitney, 30, also is a graduate of Newfield Central School, attended Utah State University and Boston University and was graduated from Ithaca College in 1972 with a bachelor's degree in psychology. He has been with Public Safety since 1974 and has also attended special police courses, including some at Monroe Community College and SUNY Oneonta.

Bailey Professorships

Agriculturalists Honored

Six professors in the State College of Agriculture and Life Sciences have been elected Liberty Hyde Bailey Professors by the Cornell University Board of Trustees.

Those named are Martin Alexander, Harlan P. Banks, Neal F. Jensen, William T. Keeton, J. Thomas Reid and Kenneth L. Robinson. The first to be accorded the honor was Charles E. Palm, now professor emeritus and dean of the College from 1959 to 1972.

The Liberty Hyde Bailey Professorships were established in the college to provide recognition for distinguished faculty who have national and international reputations in agriculture and related sciences. The recommendations were made by W. Keith Kennedy, dean of the college, upon the advice of a committee of distinguished faculty members.

Martin Alexander of the

Department of Agronomy is recognized worldwide for his leadership in the field of soil microbiology and microbial ecology. He has had more than 200 scientific articles published and he is author of two books, "Introduction to Soil Microbiology" and "Microbial Ecology."

He has received many honors and awards, among them being a Fellow of the American Academy of Microbiology and an Elected Fellow of both the American Association for the Advancement of Science and the American Society of Agronomy. He holds a joint appointment in the Division of Biological Sciences at Cornell.

Harlan Banks, a member of the Division of Biological Sciences, has an international reputation in the field of botanical science, and especially in paleobotany. He is author of one book on paleobotany and

author or co-author of more than 100 scientific publications. Also, he was head of the Department of Botany for nine years.

His awards include a Certificate of Merit from the Botanical Society of America and a Guggenheim Fellowship at Cambridge University. He has been a Fulbright Research Scholar at the University of Liege, elected a Fellow of Clare Hall, Cambridge University, and he was Honorary Vice President of the XII International Botanical Congress in Leningrad.

Former students of Neal Jensen of the Department of Plant Breeding and Biometry now occupy leading positions in the United States and other countries. He has developed and introduced 20 varieties of wheat, barley, and oats that have proved superior in New York State and in New England.

He has received the New York Farmers Medal and a Distinguished Service Citation from the New York Agricultural Society. He is a Fellow of the American Society of Agronomy and of the American Association for the Advancement of Science.

William Keeton of the Division of Biological Sciences is a distinguished teacher and author of the widely used text, "Biological Science." He has been an invited lecturer at more than 65 colleges and universities, and numerous conferences, and will be the Keynote Lecturer at the International Ornithological Congress in Berlin in 1978.

Among his awards are the Schuyler-Gage Fellow, the Professor of Merit in teaching, and he is an Elected Member of the American Ornithologists' Union, and a Fellow of the American Association for the Advancement of Science. He was the Annual Lecturer for the Society for Comparative Physiology in 1972, and Plenary Lecturer of the International Ethological Congress in Edinburgh in 1971.

J. Thomas Reid of the Department of Animal Science has served as chairman or co-chairman for 43 Ph.D. candidates, and 22 post doctoral students from all over the world. He has given some 65 invited papers at national and international conferences, including the prestigious 1972 Sir John Hammond Memorial Lecture to the British Society of Animal Production.

He has published more than 235 articles in animal nutrition and energetics, biochemistry, and physiology and he has written chapters or is co-author of 16 books. Also, he served a five-year term as chairman of his department. One of the most awarded scientists in his field, Reid has received a Guggenheim Fellowship, the Nutrition Research Award and the Borden Award of the American Dairy Science Association, and the Morrison Award of the American Society of Animal Science.

Kenneth Robinson of the Department of Agricultural Economics is recognized for his teaching, public service, and research. In 1959, he received the Professor of Merit teaching award. He is co-author of the text, "Agricultural Product Prices," and he has written more than 150 articles for professional journals and other publications.

He has held visiting professor positions in Japan, Australia, Portugal, and in Nigeria.

Teaching Assistants To Receive Awards

Six graduate students have been selected by the Cornell University College of Arts and Sciences to receive the 1977 Clark Distinguished Teaching Awards for teaching assistants.

The winners, each of whom will receive an award of \$500, are Michael Guillen, Robert Hampel, Jill Hornor, John Mearsheimer, Julia Taylor and David Walker.

The graduate students were nominated by the chairperson of their departments, and recommendations were solicited from undergraduates and faculty members. Winners were selected on the basis of the quality of their teaching, classroom innovation and time spent in working with undergraduates.

The awards for teaching assistants were begun in 1975 and are made from an endowment given in 1966 by John M. Clark and Emily B. Clark. The endowment was originally made to provide annual distinguished teaching awards and grants to faculty members, but an agreement between Mr. Clark and the Arts College in 1975 allows a portion of the endowment to be used for awards to teaching assistants.

Michael Guillen, a physics graduate student, was selected for his teaching activities in the mathematics department. He led recitation sections in a number of undergraduate math courses, including third-semester calculus, and received high ratings on student course evaluations. Each week, Guillen prepared a summary of the week's lectures with sample problems and solutions, and distributed the summaries to his students under the title "Old Newton's Almanac."

Robert Hampel, a fifth-year graduate student in the history department, was cited for his teaching ability in courses led by Professor Joel Silbey and Associate Professor Mary Beth Norton. Hampel led discussion sections and presented lectures in Silbey's courses.

Jill Hornor, a third year graduate student, has taught in German courses, including the introductory course, German 101. In 1976-77, Hornor taught two sections of German

101, the first time a non-native speaker was permitted to teach in the course. Hornor was born in the United States but lived in Munich for more than five years and attended school there. She is noted for her lively, interesting presentations during the long class periods of the introductory course, and one faculty member said she has an "exceptional facility for teaching German to college-age students."

John Mearsheimer, who will begin his third year of government graduate studies this fall, was nominated after faculty members and students reported that he had done an excellent job this year in two government courses with very different subject matter: Associate Professor Werner Dannhauser's Introduction to Political Theory and Professor Richard Rosecrance's Introduction to Foreign Relations. Last year was Mearsheimer's first year as a teaching assistant.

Julia Taylor is completing her studies in science education, and was cited for her teaching abilities in introductory and intermediate chemistry courses. She organized special help sessions and prepared problem sets for members of her sections as well as for entire classes. One faculty member said Taylor used the classroom as a laboratory to experiment with various teaching techniques. She held special help sessions on Sundays which often lasted three to four hours.

David Walker, a fifth-year graduate student in English, served as a teaching assistant and taught freshman English courses such as "Imagination and Betrayal" and "Fantasy." Recommendations for Walker stated that he was a stimulating leader of small group discussions and tended to draw all class members into class discussions. The recommendations also stated that Walker worked individually with students and helped them to improve their writing ability. Walker served as a teaching assistant in English 202, a course for sophomores planning to major in English. He developed seminar topics for the course and was praised for his handling of the seminars.

Organizational Meetings Held

Council Officers Elected

The Campus Council, Cornell University's new campus governance body which replaces the University Senate, had its initial organizational meetings last week and elected officers for the 1977-78 school year.

The Council elected David L. Ratner, professor of law, as chairman and Susan J. Vogel, Arts and Sciences '80, as secretary. Scott E. Robinson, Arts and Sciences '78, was elected to serve as the Council representative on the Committee on Committees (COC), one of the four standing committees of the governance body which is responsible for the student and employe staffing of all other Council boards and committees.

Five non-Council members were selected to serve on the CCC: Jody D. Katz, Arts and Sciences '78, and Lehmann K. Li, Arts and Sciences '78, for one-year terms; Eugene J. Cunningham, Engineering '79, for a

two-year term, and employes Antoinette M. Wilkinson, lecturer, Department of Communication Arts and editor, L.H. Hortorium, and Lawrence L. Munn, laundry services truck driver. A faculty committee has selected three faculty members as COC representatives: Ronald Donovan, professor in Industrial and Labor Relations; Joan R. Egner, associate professor of education, and Martin W. Sampson Jr., dean, Division of Summer Session and Extramural Courses.

According to its charter, the Council will coordinate a system of committees which will determine policies for several departments within the Division of Campus Life, including the Dean of Students, Dining, Transportation, Religious Affairs, University Unions, University Health Services and the Campus Book Store. It is expected that committees and boards will operate

independently of the Council; however, Council may ask a committee to reconsider an action and has the authority to veto.

Out of a total 16 voting members, 12 attended last Thursday's meeting. Two graduate-professional student seats remain unfilled, since no graduates ran in student elections held this past spring. Council members voted not to hold special campus-wide elections for the two unfilled seats since, they said, the election process would be expensive and many members anticipated minimal voter participation.

Instead, notices describing the Council's function and applications for the two positions will be sent to graduate school field officers who will then distribute the forms to each graduate student. The deadline for returning applications to 133 Day Hall is Sept. 23.

The COC will make the final selection of the two graduate student representatives, who are expected to be seated by the Sept. 27 or Oct. 11 Council meeting.

One of the five ex-officio seats, a student trustee position, also is unfilled.

At a meeting Tuesday, Council members discussed priorities

Continued on Page 8

Women's Studies Offers Seminars

What are the effects of no-fault divorce on women? What kinds of poetry are women of the 1970s writing? What techniques have women historically been advised to use to get and keep their men?

These will be among the topics explored during Women's Studies Seminars at Cornell University this fall. The seminars, which are free and open to the public, will be held Fridays from 12:15 to 1:15 p.m. in 105 Industrial and Labor Relations (ILR) Conference Center. Tapes of each lecture will be available in the Uris Library Listening Room early in the week following each lecture. The schedule for the fall semester follows:

—Sept. 9. "The Divided Woman: Sexuality/Intellectuality" by Michele LeDoeuff, associate professor of philosophy at the Ecole Normale Supérieure, Paris;

—Sept. 16. "Development Programs in the Third World: Helping Women or Harming Them?" by Adrienne Germain, program officer of the Ford Foundation;

—Sept. 23. "Breaking Silences: Contemporary Poetry by Women" by Beverly Tanenhaus, author of "To Know Each Other and Be Known" and lecturer in Women's Studies;

—Sept. 30. "Cultural Traditions and Modern Women" by Chie Nakane, an A.D. White Professor-at-Large at Cornell and professor of oriental culture at the University of Tokyo;

—Oct. 7. "The Story of Working Women in America" by Barbara Mayer Wertheimer, associate professor of industrial and labor relations in the New York City program of Cornell's ILR school and author of "We Were There";

—Oct. 14. "New Directions in Women's Art" by Carolyn Straughan and Deborah Jones, lecturers in Cornell's Women's Studies Program;

—Oct. 21. "Women Mystics of Western Culture" by Alice McDowell Pempel, lecturer in Women's Studies;

—Oct. 28. "How to Get and Keep Your Man: Advice to American Women, 1600 to 1977" by Susan Rosenfeld Falb, visiting

assistant professor of history at Cornell;

—Nov. 4. "Dorothy Parker and the Politics of the 1930s" by Ann Douglas of Columbia University, the author of "Feminization of American Culture";

—Nov. 11. "The Social and Legal Effects of No-Fault Divorce on Women" by Lenore Weitzman, director of the California Divorce Law Project at the University of California, Berkeley;

—Nov. 18. "Women and the Family in the Kibbutz" by Rachelle Taquq of the Humanities Division of Tompkins-Cortland Community College;

—Dec. 2. "Changes in the Status of Women" by Alice H. Cook, professor emerita of industrial and labor relations, and Harold Feldman, professor of human development and family studies in the College of Human Ecology at Cornell.

The Women's Studies Program also is offering "proseminars" for more extended discussions from 3:30 to 5:30 Thursday afternoons in 431 White Hall. The topics for the proseminars are:

—Sept. 22. "In Search of the Naive Male: Lessing, Bachman and Wolf" Inta Ezergailis, associate professor of German literature;

—Oct. 6. "Researching the Role of Women in the Labor Movement" by Barbara Wertheimer;

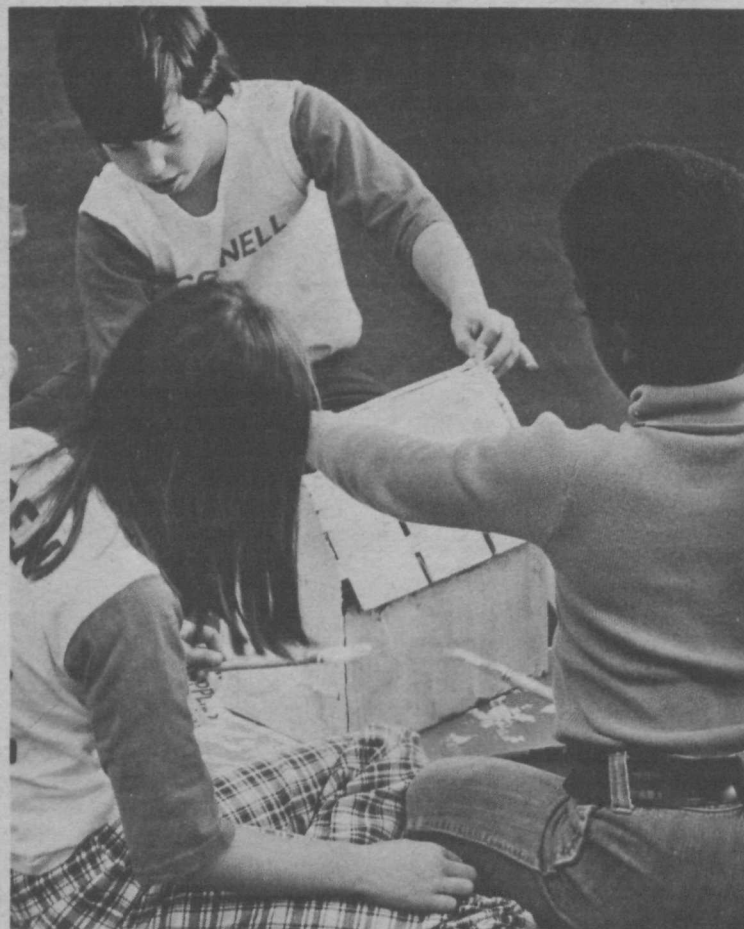
—Oct. 20. "Education in the Workplace for Women in Guatemala" by Royal D. Colle, professor of communications arts at Cornell;

—Nov. 3. "Teaching Career Decision-Making Skills" by Joan Roos Egner, professor of education at Cornell;

—Nov. 17. "Women, Men and Smoking: Who's Starting and Who's Quitting" by Jennie Farley, assistant professor of industrial and labor relations at Cornell;

—Dec. 1. "Separate but Equal? Coeducation and the Development of Leadership Skills in Women" by Patricia Foster Haines, a Ph.D. candidate in education at the University of Pennsylvania.

All proseminars are free and open to the public.



Art Series for Children Offered

Three participants in a recent Department of Human Development and Family Studies art class concentrate on putting together a house. The art series, to be held this fall from Sept. 24 to Nov. 19, offers children the chance to say something through their own art. The classes, taught by Lambert Brittain, a professor in the department, and his students, will be held Saturday mornings for area fourth, fifth and sixth graders. The children are presented with a variety of two- and three-dimensional materials to use. The emphasis of the classes is on the individual — how he thinks, how he feels, how he sees. Parents should preregister their children as soon as possible by calling 256-2295 between 9 a.m. and 5 p.m. The program fee is \$3.

'Era and Aura of Cooper'

Weekend Seminar Planned

The political and cultural transformations which affected the lives of settlers in western New York during the 18th and 19th centuries are vividly recorded in the novels of James Fenimore Cooper. Now Cornell alumni and area residents are invited to step back into Cooper's world and participate in a weekend seminar on Oct. 14-16, appropriately set in historic Cooperstown, N.Y., at The Otesaga Hotel.

Entitled "The Era and Aura of James Fenimore Cooper: A Look at the Myths, Culture, and Realities of the Western New York Frontier," the seminar is sponsored by the Cornell Alumni University and will be taught by three Cornell faculty members.

Cushing Strout, the Ernest I. White Professor of American Studies and Humane Letters, will examine the literature of Cooper, particularly the novelist's literary myth-making about pioneers and criticism of the changing American scene in the age of Jackson.

Mary Beth Norton, associate professor of American history, will focus on family life and work experiences immediately following the American Revolution. P. Richard Metcalf, assistant professor of American history, will

discuss the changes that took place as the Upstate New York frontier evolved into a settled form of society.

The cost, which includes all meals Friday dinner through Sunday lunch, is \$115 per person (double-occupancy room) or

\$135 per person (single-occupancy room).

For further information, write or phone: G. Michael McHugh '50, Director, Cornell Alumni University, 158 Olin Hall, Cornell University, Ithaca, N.Y. 14853; (607) 256-4800.

Courses Offered To Area Residents

Eleven courses to help improve the quality of life for individuals and families are being offered to area residents this fall by the State College of Human Ecology.

Some of the courses are offered in the evening. In most cases, previous course work in the subject is not required.

In the area of design and environmental analysis, three courses will be offered — Theory of Design; Dress: A Reflection of American Women's Roles; and Environmental Psychology: Perspectives and Methods.

Adult and community education will be represented by two courses — Skills and Methods in

Community Education, and Adult Education in Macroperspective.

There will be three courses in the area of human development and family studies — Human Development: Infancy and Childhood; Learning in Children; and Contemporary Family Forms in the United States.

Single courses also will be offered in housing — Housing Controls and Standards — and in nutritional sciences — Ecology of Human Nutrition and Food. The nutrition course is open only to individuals who have had high school biology.

The college also is offering a course titled Preparation for Field Work that prepares individuals to become more competent field learners, whether as interns, professionals in the work world or as active citizens in the community.

Registration for these courses began Monday and continues through Friday. Late registration, with a \$10 late fee, may be made through Sept. 30. Tuition is \$105 a credit hour.

Additional information is available from Cornell University's Division of Summer Session and Extramural Courses, 105 Day Hall, or by calling 607-256-4987.

Campbell To Speak

Ernest T. Campbell, who teaches at Princeton Seminary and Pittsburgh Seminary, will be the speaker for the Sage Chapel convocation at 11 a.m. Sunday, Sept. 11.

Campbell, who resigned last fall from The Riverside Church, New York City, after eight years of service, previously served Presbyterian churches in Pennsylvania and Michigan.

A native of New York City, he

has particular interest in action programs on fair housing, integrated schools and revising national priorities. He has been a frequent speaker on "The Protestant Hour" and "The National Radio Pulpit."

Music will be provided by the Sage Chapel Choir under the direction of Donald R.M. Paterson, who is also the University organist.



Rhodes Visits Units

In the first of a series of visits to different segments of the University, newly installed President Frank H.T. Rhodes (left) spent a day at the State Agricultural Experiment Station at Geneva. He was briefed on the high density orchard plantings and rootstock work by Dr. Alan Lakso (right) of the Department of Pomology and Viticulture as well as insect research and plant protection programs being conducted at the station.

Plasma Studies Receives Grant

The Laboratory of Plasma Studies soon will begin a major new program to explore the containment of plasma and the application of high-energy beams of ions in fusion reactors under contract with the U.S. Energy Research and Development Administration (ERDA).

ERDA's magnetic fusion group has agreed to provide \$420,000 over an 18-month period for the plasma containment study. Ravindra N. Sudan, IBM Professor of Engineering and director of the Laboratory of Plasma Studies, explained that ERDA's principal scheme for containing plasma in fusion reactors is to use a magnetic field that loops on itself as in Tokomak-type reactors.

Because these reactors will be large, complex and difficult to service, ERDA is also investigating a second-line system known as "mirror confinement," first developed at the Lawrence Livermore Laboratories.

Sudan explained that the mirror confinement system is simpler and more compact, but the magnetic "bottle" that would

confine the plasma leaks at both ends. Cornell's role in the magnetic fusion project is to find ways of closing the leaks and improving the efficiency of the mirror confinement system using high-power ion beams — a technology which Sudan proposed in collaboration with Stanley Humphries, formerly of Cornell, in 1973 and which the laboratory has been developing ever since. The technique involves a ring of charged particles which modifies an existing magnetic field to create a magnetic bottle with closed lines of force. This particular configuration was first proposed by the late Nicholas Christofilos of Lawrence Livermore Laboratories.

The proper geometry to close the leaks in the magnetic bottle has been created at Cornell by researchers led by Hans Fleischmann, associate professor of applied and engineering physics, using electrons, but electrons radiate their energy away too quickly to contain the plasma effectively under actual fusion reactor conditions. Ions,

which are heavier, would radiate away less of their energy, giving ion rings a longer lifetime.

Ions have behaved as predicted in initial small-scale experiments at Cornell, and Sudan and his colleagues are optimistic that they can scale up their experiments with equally good results.

"Ultimately we hope to create an actual plasma confinement system using rings of ions," Sudan said.

The second ERDA contract provides \$100,000 per year to investigate whether beams of high-powered ions can be focused accurately enough to hit a target a few millimeters across — a first step in determining whether ions can be used to energize the tiny fuel pellets in fusion reactors.

Lasers and high-powered electron beams are the current favorites for focusing on pellets of deuterium and tritium, but they do not deliver enough energy to the pellets to start the fusion process. Ions, which are almost 2,000 times heavier than electrons, would be less easily

deflected by stray matter in the vacuum chamber through which the energy must pass on its way from its source to the pellet and should focus more precisely on the pellet.

Researchers working on the experimental side of the magnetic and pellet fusion projects with Sudan are Bruce Kuse, associate professor of applied and engineering physics; Michael Greenspan, a postdoctoral associate; graduate students Phillip Dreike; Larry Wiley, John Maenchen and Jesse Neri, and Carl Eichenberger, technical assistant.

Researchers involved in the

theoretical aspects of the project are Edward Ott, associate professor of electrical engineering; Richard Lovelace, assistant professor of applied and engineering physics; John Finn, research associate in the laboratory; Michael Gerver, postdoctoral associate and graduate students Alex Friedman and Alan Mankofsky.

As the new projects get under way, they are expected to involve John Nation, associate professor of electrical engineering, Charles Wharton, professor of electrical engineering, and other faculty members from the Laboratory of Plasma Studies.

For Acid Precipitation Studies

CER Receives Two Grants

The Center for Environmental Research (CER) at Cornell University has received two major grants from the Electric Power Research Institute to study the environmental effects of acid precipitation. The awards are part of a large multidisciplinary research proposal coordinated by CER.

Martin Alexander, professor of soil science, has received a two-year, \$118,816 grant to investigate the effects of acid precipitation on microorganisms and biochemical activities of the soil.

James Galloway, formerly a postdoctoral associate in the Section of Ecology and Systematics at Cornell and now an assistant professor at the University of Virginia, has received a 30-month, \$240,000 grant to study the effects of acid precipitation on dilute aquatic ecosystems in the Adirondack Mountains of New York. Under the grant, Carl Schofield, senior research associate in the Department of Natural Resources at Cornell, will coordinate field studies at three chemically different Adirondack lakes, while Galloway will conduct chemical analyses to determine the effects of acid precipitation on lake chemistry.

Acid precipitation, first documented in the United States by Gene E. Likens, Cornell professor of ecology and systematics, has been linked to the

combustion of fossil fuels which, when burned, release sulfur oxides and nitrogen oxides. It may be responsible for decline and sometimes extinction of fish in many lakes and streams; there also is evidence that it may damage trees and plants and enhance corrosion of buildings. Investigations of the effects of the increased acidity in rain and snow on soil, water, plants and animals are being conducted by researchers in the United States and abroad.

In addition to Likens' continuing studies on the ecosystem of the Hubbard Brook Experimental Forest in New Hampshire, re-

searchers at Cornell are looking at various effects of this phenomenon.

CER maintains an extensive library of publications on acid precipitation and other environmental problems. The library, located in 468 Hollister Hall, is open to Cornell faculty, students and others doing research on environmental topics.



Officers Elected

Continued from Page 7

for the coming year. Among the issues suggested for Council consideration are campus safety, admissions and financial aid policy, Title IX legislation and the University's corporate investment policy.

The Council heard from Bruce R. Katz, Arts and Sciences '80, who proposed that a series of campus forums and panel discussions be held in order to familiarize new students with the campus governance system.

The regular meeting time for the Council will be the second Tuesday of each month at 4:45

p.m. in 701 Clark Hall, with the fourth Tuesday set aside to conduct any necessary unfinished business. President Frank H.T. Rhodes will address the Council at a specially scheduled meeting at 4:45 p.m. Wednesday, Sept. 14 in 701 Clark.

All meetings are open to the Cornell community. Any questions concerning campus issues should be submitted to the Council secretary or to the Campus Council Office in 133 Day Hall. Questions should be submitted before meetings to allow enough time for a written response.

Faculty Honored

Twelve members of the Department of Agricultural Engineering at the State College of Agriculture and Life Sciences, have been honored by the American Society of Agricultural Engineers for their outstanding achievements in research and extension activities.

A research paper by Gerald E. Rehkugler, Professor William F. Millier, Roger A. Pellerin, research associate, and James A. Throop, research technician, and another paper by Professor Louis D. Albright have won the society's annual paper awards. The Cornell papers were among eight selected for awards from 249 published by the society in 1976.

The paper by Rehkugler and colleagues analyzes a fruit handling device invented by Millier to lower apples into the bulk container of an apple harvester after apples are shaken from the tree.

Albright's paper describes a technique of cooling canned food with water sprays, thus greatly reducing the need for water in canning factories. Albright developed the procedure while at the University of California at Davis in 1974.

In the category of extension methods, Professors Donald R. Price and Stanley A. Weeks were honored for reaching a significant number of people across

New York State with a series of fact sheets dealing with energy conservation topics.

Professors Wesley W. Gunkel and Price received a blue ribbon award for two extension publications that describe energy requirements for agriculture in New York State.

Professors Edward O. Eaton, Edward W. Foss and Wilmot W. Irish each won a blue ribbon award. Eaton was honored for his manual on the operation, care and maintenance of small engines, Foss for a bulletin discussing composting of leaves, sewage sludge and other organic waste materials as a means of municipal solid waste disposal, and Irish for a plan for a horse barn.

The Northeast Regional Agricultural Engineering Service, which has its headquarters at Cornell, won blue ribbon awards for two extension publications: "Hobby Greenhouses and Other Gardening Structures" and "Insulating the Home." Both publications were edited and produced by Robert A. Parsons, senior extension associate and manager of this regional extension service organization that consists of the 12 land-grant universities in the Northeast and the U.S. Department of Agriculture.

Jones Appointed

William D. Jones has been named assistant treasurer of Cornell University by the Executive Committee of the University Board of Trustees meeting in New York City in July.

Jones, who will report to Vice President and Treasurer Robert T. Horn, will have responsibility for the University's banking relations, its debt and cash management program, and will perform liaison with the New York State Dormitory Authority.

Jones joined the University's administrative staff in 1959 after four years of banking experience with the Morgan Guaranty Trust Co. in New York City. His previous Cornell assignments include six years on the University Treasurer's office staff, a two-year term as administrative officer for the Cornell/U.S. Agency for International Development project in Liberia and two years in the University Admissions Office.

Food Needs Analyzed

NY Vulnerable to Shortages

New York State and the entire Northeast could be especially vulnerable to food shortages that might result from sporadic climatic fluctuations and pest outbreaks, University researchers say.

Because New York produces only 10 per cent of the food calories consumed by its population, and an even smaller fraction of the energy needed to produce it, and because the state's pace of urbanization has claimed vast acreages of productive land, New Yorkers could be placed in greater jeopardy than other areas of the country if ever faced by a food shortage.

These were some of the points made by faculty of the N.Y. State College of Agriculture and Life Sciences, Cornell University, at a June conference titled, "Are There Food Shortages in Our Future," which explored the food needs of the Northeast due to climatic changes and energy demands. The program was sponsored by Cooperative Extension, the New York State Assembly and several local groups.

David Pimentel, professor of entomology and agricultural sciences, spoke on the relationships between energy and food production. He said that about 16 per cent of all the energy consumed by our economy is used in the food system, and this fraction is increasing faster than the energy used in other sectors of the economy. As an example to this growth, Pimentel said that energy used in U.S. corn production has more than tripled since 1945.

"To place the energy used for production into perspective, a one-pound can of sweet corn serves as an example," said

Pimentel. "The one-pound can contains about 375 kilocalories of food energy. But its production requires about 450 kilocalories of fossil energy for planting, cultivating, fertilizing, and harvesting, and an additional 1760 kilocalories to can it, and about 800 kilocalories to bring it home, via the family car, to the consumer."

"The energy that goes into beef production is even more dramatic," Pimentel said.

He cautioned that New Yorkers should be well aware of the trend to invest increasing amounts of energy in food production since the state produces only about seven per cent of the energy it uses. Pimentel also warned that valuable arable land is being degraded in New York at an alarming rate because of highway building, urbanization and erosion.

To counteract the forces that imperil New York's food production abilities, Pimentel asked that additional efforts be made to protect agricultural land from further encroachment. He also suggested that agriculturists consider expanding market gardens, producing fresh produce for nearby urban centers.

R. Brian How, professor of agricultural economics at the college, discussed how changing climatic conditions may affect our food supply. He, too, lamented the trend towards greater reliance on specialized food production areas, most often not in the Northeast, which makes us especially vulnerable to the effects of foul weather.

How said that potatoes provide a good example of this problem. "About 100 years ago New York led the nation in potato production. Commercial

production was centered along the Hudson River, and the crop was shipped easily to New York City," he said. "With the advent of cheap energy and the improvement of transportation and handling methods, the center of greatest production shifted, first to northern Maine, then to Idaho and Washington."

He added that the way our marketing system operates, and the potential problems we face, can also be shown by the reliance we now place on Mexico as a source of fresh winter tomatoes.

"We have come to rely too heavily, I believe, on distant specialized growing areas for our food supply," How said.

Food Drying Techniques In Booklet

Avid gardeners, working hard in anticipation of abundant harvests, should also devote care to planning the preservation and storage of their bounty.

"Home Drying of Foods," a new publication prepared by Cornell University food and nutrition specialists Ruth N. Klipstein and Katherine J. Humphrey, can help gardeners with specific storage problems and concerns.

Home drying, the authors say, is an ancient technique. Yet, it still is a useful and convenient procedure, helping to conserve valuable storage space.

Copies are available for 40 cents from Mailing Room A, Building 7, Research Park, Cornell. Quantity discounts are also available.



A nutrition aide (right) from the Cornell Expanded Food and Nutrition Education Program demonstrates how to make a nutritious meal to a young homemaker.

EFNEP Flourishes In New York City

This summer Cornell's Expanded Food and Nutrition Education Program (EFNEP) touched the lives of 15,000 adults and youths in New York City.

Almost seven years after this program was started in the city a period of retrenchment for many social service efforts, EFNEP is flourishing. Many of its supporters say the secrets of its success are boundless enthusiasm, community participation, nutritional expertise, and a strong belief that knowledge of foods and nutrition can improve the diet, health and lifestyles of low-income New Yorkers.

EFNEP is a federally-funded program, and in New York State it is administered by the State College of Human Ecology and the N.Y. State College of Agriculture and Life Sciences, under the auspices of Cooperative Extension. EFNEP sites are maintained in 55 counties of the State and one each in the South Bronx, South Brooklyn and East Harlem.

For example, the Bronx office, next to the busy 149th Street shopping district, has 18 nutrition aides and two nutritionists, Maria Burgos the program leader and Martha Sikes.

Mrs. Burgos explained that

the hallmark of the New York City EFNEP is door-to-door canvassing, a time consuming but extremely successful technique for finding the program's participants, usually young families with limited resources. Once nutrition aides have identified a needy and interested homemaker, they carefully inquire about the family's eating patterns, food buying habits, and financial situation.

"We often find that families have poor eating habits," said Mrs. Burgos. "As a result, there are deficiencies of vitamins A and C, iron, and in some cases calcium. Nutritional anemia and overweight are common in this neighborhood."

Nutrition aides offer information on food selection and shopping, storage, sanitation, food preparation and service. Participating families also receive a variety of low-cost recipes, introducing nutritious foods in an attractive fashion. Homemakers are visited regularly for up to one year, and certificates of participation are awarded.

The staff stressed that advice always considers the personal and ethnic preferences of the families. The nutrition aides come from the community in which they work.

Natural Communities Studied

Stinkbug Works for Supper

The question of who eats whom and how is an important one for ecologists trying to understand the dynamics of natural communities. Consider the stinkbug.

Best known for the sickly-sweet odor it emits when disturbed, this shield-shaped denizen of goldenrod fields spends the summer clambering over the vegetation in search of other small insects upon which it preys. It is not often seen by the casual visitor to summer fields, and is much less well known than its plant-feeding relatives whose predilections for beans and tomatoes often dismay home gardeners.

Edward W. Evans, a doctoral student in the Section of Ecology and Systematics at Cornell University, has been studying several species of predacious stinkbugs in the goldenrod fields near Ithaca to determine how insect predators make their living. He presented observations made this summer at the annual meeting of the American Institute of Biological Sciences held in August at Michigan State University.

Evans compared the lifestyles of two groups of stinkbug species in the fields near Ithaca—a group that hatches into its voracious nymph stage in late May and early June and a group

that hatches beginning in late June and early July. He was particularly interested in their diet and their hunting behavior.

The species in the early group, Evans found, fed almost exclusively on the abundant metallic blue-black larvae of a goldenrod beetle which often literally cover the tops of goldenrod plants in late May and June.

"Some nymphs pounced on their prey, overpowering them in a moment of surprise. Other nymphs approached stealthily, carefully inserting their beaks before the beetle larvae detected them. In 80 per cent of the encounters I watched, the nymphs successfully captured their prey," Evans said.

"The beetle larvae are predictably and extraordinarily abundant in goldenrod fields and are easy prey for the nymphs. It is not surprising that the stinkbugs' lifecycle timing is closely synchronized with the timing of the larvae's development," he continued.

The lifecycles of the late group of stinkbugs and the adult goldenrod beetles are also tied together. "The beetle larvae have pupated and emerged as adult beetles by late June and early July—just when most of the second group of stinkbug nymphs are hatching," Evans said, "so it didn't surprise me to

find that the adult beetles were a major food source for the late group of stinkbugs."

What did surprise Evans was how hard the second group of stinkbugs had to work for their meals. Using potted goldenrod plants in outdoor cages, Evans watched more than 200 encounters between these nymphs and the adult beetles. Only rarely were the nymphs able to surprise the alert adult beetles and overcome them; 98 per cent of their attacks ended in failure.

Affirmative Action Reviewed

A balance sheet showing the losses and gains in male, female and minority faculty at Cornell between 1974-75 and the present is available for review in 217 Day Hall.

The summary was prepared for the Academic Affairs Committee of the Board of Trustees in May by Paige Ireland, staff assistant to W. Donald Cooke, vice president for research. It is designed to show the flow of faculty at Cornell and the progress the University is making toward its affirmative action goals.

The summary provides information on the number of men, women and minorities appointed

to tenured positions from outside Cornell, the number promoted to tenured positions from within the University and the number promoted to full professor after having received tenure.

"We included the last category because we wanted to see what happened to people once they received tenure—whether they remained at the associate level or became full professors," Ireland explained.

The chart also shows the number of appointments to "tenure track positions," which eventually will be reviewed for tenure, the net gain or loss of tenure track faculty and the ap-

pointments to non-tenure track faculty positions.

"We really don't have enough specific long-term information to pick out trends yet," Ireland stressed, "but it is important to compile the information so that long-term progress or lack of progress—can be discovered."

The summary of tenured faculty will be updated after each board of trustees meeting to reflect new personnel actions and will be incorporated into the Source Book of Academic Information on Minorities and Women at Cornell, which is available at the reserve desks of University libraries.

Department Chairmen Elected

Blum

Zevi Blum, associate professor of art at Cornell University, has been elected to a three-year term as chairman of the Art Department in the College of Architecture, Art and Planning. Blum has been acting chairman of the department since July 1976.

A member of the department faculty for six years, Blum was graduated in 1957 from the Cornell College of Architecture. He is both an artist and an architect.

Clinton

Kevin Clinton, associate professor of the classics, has been elected to a three-year term as chairman of the Classics Department by the University Board of Trustees.

Clinton will succeed Frederick Ahl, associate professor of the classics, who has served as chairman since 1974.

Clinton has been a member of the Classics Department since 1970, and was elected associate professor with tenure in 1975. His major interests include Greek religious and political institutions and Greek literature. He is an authority on the documentary evidence of the cult of the Eleusinian Mysteries, the most important religious cult at Athens. During the past

academic year, Clinton was a fellow of the Society for the Humanities and taught a seminar on "Greek and Roman Mystery Cults."

He is co-director of the Cornell University-Ithaca School District Project in Classical Civilization and Latin, which supported by the National Endowment for the Humanities.

Fitchen

Douglas B. Fitchen, professor of physics at Cornell University, has been appointed chairman of the University's Department of Physics for a five-year term.

Fitchen joined the Cornell faculty as an assistant professor in 1962 after receiving the Ph.D. from the University of Illinois and the A.B. from Harvard. He was promoted to associate professor in 1965 and full professor in 1971.

His field of research is experimental solid state physics. His current specialty is the inelastic scattering of laser light in conducting crystals and in biological macromolecules.

Leed

Richard Leed, professor of linguistics, has been elected to a three-year term as chairman of the Department of Modern

Languages and Linguistics. He succeeds Gerald B. Kelley, who served as chairman since 1971.

Leed received his Ph.D. from Cornell in 1958 and was appointed assistant professor of linguistics the same year. He was granted tenure in 1965 and was promoted to full professor in 1969.

He has been in charge of Russian language instruction at Cornell, and his primary area of interest is in developing instructional materials for college-level Russian.

Parsons

Kermit C. Parsons has resumed his position as dean of the College of Architecture, Art and Planning after taking a sabbatical leave this spring in Washington, D.C.

Parsons was a fellow at the Woodrow Wilson International Center for Scholars working on a project investigating the federal government's national growth policymaking process. According to the Housing Act of 1970, a presidential policy statement on

urban growth is required every two years.

Parson's work, supported by a grant from the Ford Foundation, focused on how the policymaking process has been handled by the executive branch, Congress and various government agencies, including the Department of Housing and Urban Development (HUD), Department of Commerce, Department of Transportation (DOT), Council on Environmental Quality (CEQ) and Environmental Protection Agency (EPA).

After interviewing many government officials under the Carter administration and earlier administrations, Parsons presented a preliminary version of his research findings at a colloquium at the Woodrow Wilson Center. The paper included recommendations for a greater involvement in the policymaking process on the part of the HUD staff and the creation of a small White House staff responsible for monitoring and coordinating the national growth policymaking process.

Lewis Is Promoted To Associate Dean

Edward T. Lewis has been promoted to associate dean in the School of Business and Public Administration (B&PA) at Cornell University, according to Dean H. Justin Davidson.

Lewis joined B&PA in 1974 as an assistant dean and is in charge of external affairs which includes fund-raising, alumni and public relations and serving as editor of the school's award winning magazine Executive.

Before coming to Cornell, he

was a professor of English for five years at the University of Puerto Rico. He was graduated from Union College in Schenectady in 1960 and holds a master of arts degree from Boston University and a doctorate in English from the University of Denver.

Two Appointed As Acting Chairmen

Meyburg

Arnim Meyburg, associate professor of environmental engineering at Cornell University, has been appointed acting chairman of the Department of Environmental Engineering until June 30, 1978, while D.P. Loucks, department chairman, is on leave.

An expert in transportation planning and engineering, Meyburg is the co-author of two books on transportation systems modeling and evaluation and the coeditor of a book on "Behavioral Travel-Demand Models." A fourth book, written in German, deals with modern

travel forecasting techniques.

O'Connor

Stanley J. O'Connor, professor of art history, will serve as acting chairman of the History of Art in the College of Arts and Sciences Department during this fall term, filling in for Robert Calkins, who will be on study leave.

O'Connor, a member of the Cornell faculty since 1964, served as chairman of the art history department from 1971 to 1976. O'Connor's primary interest is in the field of Asian art. He has also served as chairman of the department of Asian Studies.

Women's Studies' Director Appointed

Rhoda Possen has been appointed acting director of the University's Women's Studies Program. She assumed the position on July 1.

Possen will serve as acting director for one year, organizing the program's activities and coordinating the search for a permanent director. She replaces Johanna Ettin, who has served as acting director since July 1976. Ettin is moving to Winston-Salem, N.C.

Possen received the B.A. degree in 1969 from Barnard College, where she was elected to Phi Beta Kappa. She was awarded the Ph.D. in French from Yale in 1972.

Possen has taught in the Women's Studies Program at Cornell since fall 1974, and her course on "Women and Religion" is part of the program's curriculum. She also served on the program's executive board last year.

School Director Named

Albert R. George has been appointed director of the Sibley School of Mechanical and Aerospace Engineering at Cornell University for a five-year term.

George has been assistant director of the Sibley School and a member of the curriculum committee for mechanical and aerospace engineering since 1972. He also was a member of the board of directors of Cornell's Center for Environmental Research.

Rhodes to Freshmen

Continued from Page 1

University is honored by the fact that they have chosen to study at Cornell, he said. "We realize that it is a deliberate and careful choice and we want to pledge to you our best commitment to meet the high expectations that you have of your stay with us," he said.

Rhodes told the freshmen and transfer students they bring Cornell "something priceless" in their "idealism and openness to change." He said also that they bring Cornell diversity which the university cherishes and will nurture.

This diversity is not "just something that is generally desirable" it is something "fundamental to the character of a university experience."

"You are fresh, you are vital and bring to us renewed strength," Rhodes said. "Let me beg you to remain freshmen in the affirmation and the commitment and the belief which a baffled and bewildered society sorely need."

New students at the Cornell University Medical College were also greeted by Rhodes on Tuesday, Sept. 6.

Professor Elected Head Of Professional Society

Wilmot W. Irish, professor in the State College of Agriculture and Life Sciences, has been elected head of the North Atlantic Region of the American Society of Agricultural Engineers.

The regional organization includes twelve northeastern states and six eastern provinces of Canada with more than 1,000 members representing about one-sixth of the members of the

national organization. Irish was elected for a one-year term at the 53rd annual meeting held recently at the University of New Brunswick in Canada.

A faculty member of the College's Department of Agricultural Engineering since 1960, Irish specializes in farm structures for dairy operations and in developing new plans for agricultural buildings.

Cornell Dining Hours of Operation

SERVICE CODE:

- A) CASH
- B) CO-OP & GUEST MEALS
- C) CONTRACT

UNIT	SERVICE CODE	MON. - FRI.	SATURDAY	SUNDAY
Noyes Student Dining (6-5320)	B	B. 7:15 - 9:30 Br. * L. 11:30 - 2:00 D. 5:00 - 7:30	* * 11:00 - 2:00 5:00 - 7:30	* 10:00 - 2:00 *
Willard Straight Dining (6-5364)	A, B	B. 7:15 - 11:00 Br. * L. 11:00 - 2:00 D. 5:00 - 7:30 (M.-Th.) 7:30 - 10:00	7:15 - 11:00 * 11:00 - 2:00 5:00 - 7:30 2:00 - 5:00	* 9:00 - 2:00 * 5:00 - 7:30 7:30 - 10:00 2:00 - 5:00
Cash Snacks: Cash & Co-Op Snacks: Lake Country Soups (6-3463) CARRY OUT		L. 11:00 - 2:00	*	*
North Campus Dining (6-5550)	B	B. 7:15 - 9:30 Br. * L. 11:30 - 2:00 D. 5:00 - 7:30	* * 11:00 - 2:00 5:00 - 7:30	* 10:00 - 2:00 *
Sage House (6-5325) Snacks:	A, B	L. 11:15 - 2:00 2:00 - 5:00 D. 5:00 - 7:00	* * *	* * *
Co-Op 2000 (6-5538)	B	L. 11:30 - 1:30 D. 5:00 - 6:30	* *	* *
Risley Dining (6-5568) Guest Meals, C		L. 11:30 - 1:30 D. 5:00 - 6:30	* *	* *
Pancake House (6-5314)	A	M-Th. 7:00 am - 11:00 pm Fr. 7:00 am - 1:00 am	9:00am-1:00am	9:00am-11:00pm
Pick-Up Store (6-5314)	A	Daily	12:00 pm - 11:00 pm	
Mini Pick-Up (6-7228)	A	Daily	5:00 pm - 11:00 pm	
Hughes (6-5340)	A, C	B. 7:15 - 10:00 L. 11:30 - 1:45		

New Department Formed by Trustees

The Board of Trustees has announced the formation of the Department of Microbiology and has named a new chairman for the Department of Education at the College of Agriculture and Life Sciences.

The new Department of Microbiology was formed as a result of a separation from the Department of Food Science. Harry W. Seeley, professor of food science, has been acting chairman since July 1.

The primary concerns of the seven faculty members of the new department will be teaching

undergraduates and training graduate students in microbiology. Research will be conducted in the basic and applied areas of microbiology.

George W. McConkie, professor of psychology and education, has been appointed chairman of the Department of Education for a five-year term, succeeding Helen L. Wardeberg.

Prof. Wardeberg was chairman of the department for nine years. She plans to visit Australia on sabbatical leave and will return in January to resume teaching duties.



What was once storage area in Sage Hall is now part of the hall's dining renovation. Sage House, as the dining facility has been renamed, is based on a Victorian house with Upstairs and Downstairs dining rooms. Downstairs dining has six rooms: the Servants' Hall (pictured), the Wood Room, the Trunk Room, the Scullery, the Root Cellar and the China Closet. The floor in the Servants' Hall had to be lowered 15-18 inches to conform to the level of the other rooms. Seating capacity is now 375 according to Manager Ed Farmer, Arts '73. Total cost for the renovation is \$620,000.

Intercollege Energy Program Established

Since energy conservation and research are becoming increasingly important in the work of two colleges at Cornell University, an intercollege program has been established and a director appointed.

Donald R. Price of the Department of Agricultural Engineering has been appointed program director by Dean W. Keith Kennedy of the State College of Agriculture and Life Sciences, and by Dean Jean Failing of the State College of Human Ecology.

Price will have responsibility for leadership and coordination of both energy research and Cooperative Extension programs.

All areas concerning energy will be brought into the program including conservation and alternative sources, economics and policy, use patterns and projections.

Price has been chairman of a task force on energy serving the College of Agriculture and Life Sciences and Cooperative Extension. He has served on several state and national committees related to energy use policies and conservation. Recently, he was chairman of a national panel that met to develop an energy policy for the U.S. food system for consideration in President Carter's national energy plan.

Better Student Life Sought

Making life at Cornell a little more enjoyable and a bit less bureaucratic is the goal of Arthur A. Jaeger, director of dining services, who is undertaking that task this summer and hopes that by meeting informally with individuals and talking with business managers in various departments, a significant amount of red tape can be reduced in non-academic areas.

"If we can change a few things — maybe 15 — anything to make it easier for people to

work here, we'd be doing really well. There haven't been any specific problems causing us to look into this. But, every once in awhile, you've got to shake the tree and see what comes falling down," Jaeger said.

Senior Vice President William G. Hebster, who appointed Jaeger for the assignment, agreed that the purpose is to focus on a few substantial changes that can be quickly implemented. "We're not expecting any miracles. We're just trying to

get some of the paperwork behind us and find new ways of getting things done more expeditiously."

Jaeger added that certain administrative operations cannot be changed, but in those cases the aim will be to provide information to employees so that procedures become easier to understand.

Suggestions for improvements in non-academic areas should be sent to Jaeger in 233 Day Hall.

Summary Judicial Decisions May 2—Sept. 1, 1977

No. of Persons	Violations	Summary Decisions
1	Misuse of Co-op dining card belonging to another person - NCD	WR*; \$20 or 7 hrs. C.S.**
3	Breaking a window	WR; \$20 or 7 hrs. plus \$80 suspended fine
4	Painting and kicking a door	WR; ordered to clean off & repaint area
1	Breaking a window in UH #4	WR; \$50 suspended fine plus restitution of \$16 for window
1	Using computer account to which he was not entitled	WR; \$75 or 25 hrs. C.S.
1	Driving the car from which a water balloon was thrown at another person	WR; \$100 or 33 hrs. C.S. plus \$25 suspended fine
1	Throwing water balloon at another person	WR; \$100 or 33 hrs. C.S. plus \$25 suspended fine
1	Breaking a window	WR; restitution of \$15 for window plus \$75 or 25 hrs. C.S.
2	Throwing ceiling tiles and breaking a window	WR
1	Theft of a book from an office and resale of same to Campus Store	WR; restitution of \$4 to Campus Store plus \$75 fine, of which \$40 is suspended - remainder \$35 or 12 hrs. C.S.
1	Theft of food from North Campus Dining	WR; \$20 or 7 hrs. C.S.
4	Possession of a stolen street sign	WR; \$25 or 8 hrs. C.S. plus restitution of \$1.75 each for replacing sign
1	Possession of a stop sign	WR; \$100 suspended fine; 2nd proven theft would entail \$75 fine but if proven theft involves endangerment then entire amount is due.
1	Damaging a window	WR; order to make restitution not to exceed \$50
1	Altering a parking permit	WR; \$30 or 10 hrs. C.S.
1	Possession of firecrackers (bottle-rockets) in Univ. residence	WR; \$125 of which \$50 is suspended - remainder \$75 or 25 hrs. C.S.
1	Cord passing through a doorway which was not removed after warning	WR; \$25 or 8 hrs. C.S.
1	Possession of controlled substance	WR; suspended \$100 fine to become due if convicted for similar offense
1	Alteration of Co-op card valid dates	WR; restitution of \$95.40 to Dining Services
1	Unauthorized use of Watts line	WR; \$100 fine of which \$50 is suspended or 16 hrs. C.S. Restitution of \$25.92
1	Misuse of Co-op Card	WR; \$50 fine or 17 hrs. C.S.

* written reprimand
** Community Service

Building Alterations Approved

A series of building alterations at Cornell University's Ithaca campus totaling approximately \$125,000 received approval in July from the Executive Committee of the University's Board of Trustees.

The committee authorized the construction of a carcinogen laboratory in the Veterinary Research Tower. The laboratory will be built because the University has contracted with the National Institute of Health to develop an animal model of colorectal cancer, a disease which afflicts man. The laboratory will use a chemical carcinogen to test the effects of various anti-cancer agents and procedures on the biological behavior of tumors.

The laboratory will conform to safety standards established by the National Institute of Health, Cornell's Biohazard Committee and Life Safety Services of Cornell. For safety purposes, the laboratory will have a room air pressure lower than normal, and a special exhaust facility will be constructed on the research tower roof to incinerate exhaust air.

The Executive Committee authorized the renovation of fourth floor rooms and corridor space in Phillips Hall in preparation for a long-term sub-micron research project. The renovation will be funded from the first increment of a five-year, \$5 million grant from the National Science Foundation, which is paying for the project.

The North Campus Union will be renovated to allow more efficient utilization of space. Studies have shown that there is inadequate office and meeting space in the building, while the

large lounge areas are underused. Therefore, the Executive Committee authorized the administration to develop an overall plan for phased alterations of the building and to proceed with the first phase, which will include the conversion of the south bay lounge into office space.

Bailey and Statler Series Announced

Isaac Stern returns for his first solo violin recital in 15 years this September, leading off the year-long parade of world-famous musicians who will come to Ithaca as performers in the 1977-78 Bailey Hall subscription concert series. The first concert will be Tuesday, Sept. 20.

Soprano Beverly Sills will make her Ithaca performance debut during this year's Bailey concert series, as will Mstislav Rostropovich in his new role as conductor of the National Symphony Orchestra.

Alicia de Larrocha, who, according to New York Times critic Harold Schonberg "can do no wrong," also is one of the series' featured artists, as is the Soviet pianist Lazar Berman, who was virtually unknown to American audiences before 1976, but who has already been declared by American critics to be one of the great keyboard artists of the time, ranking with Emil Gilels and Sviatoslav Richter.

Lili Kraus, according to the Washington Post is "one of the supreme masters of the piano" also will appear in Bailey Hall this year with the Pittsburgh Symphony Chamber Orchestra, conducted by Donald Johanos.

Subscription tickets are also available now for the 1977-78 Statler chamber music concert

series, which will open Tuesday, Oct. 11, with a performance by the Guarneri String Quartet. Also featured on this series are the Boston Symphony Chamber Players, cellist Lynn Harrell, and "Tashi," an ensemble composed of Peter Serkin, piano, Fred Sherry, cello, Richard Stolzman, clarinet, and Ida Kavafian, violin.

After Sept. 20 subscriptions will not be available for the 1977-78 season for the Bailey Hall concerts. And Oct. 11 marks the end of season ticket sales for the chamber music concerts in the Statler Auditorium.

All items for publication in the Cornell Chronicle must be submitted to the Chronicle Office, 110 Day Hall, by noon on the Monday preceding publication. Only typewritten information will be accepted. Please note the separate procedure and deadline for Calendar entries, as explained at the end of the Chronicle Calendar on the back page.



Using Fiske Collection Easier

One of the world's three leading collections of Icelandic literature will be made more available to scholars and the public in the United States through a project at Cornell University sponsored by the National Endowment for the Humanities (NEH).

NEH has provided Cornell with up to \$160,000 over a three-year period to develop a unified card catalog of its Fiske Icelandic Collection. The collection described by the Scandinavian Section of the Modern Language Association (MLA) as "an unequalled scholarly repository of books pertaining to Icelandic history, language and literature," is rivaled only in size and quality by those at the National Library of Iceland and in

the University and Royal Libraries of Copenhagen, Denmark.

Under the direction of Vilhjalmur Bjarnar, librarian of the Fiske Collection, the project will bring under one cataloging system (the Library of Congress Classification system) more than 32,000 volumes. Currently the collection is recorded in five different catalogs.

The new record will be entered into the National Union Catalog and the Ohio College Library Center (OCLC) computer data base for easy accessibility to scholars and students throughout the country.

The first portion of the project, now underway, will entail cataloging Old Norse and Icelandic Literature. The second year

will deal with the language, runes (characters in old Germanic alphabets), history, mythology, geography, and natural history. The third year will be concerned with biography, translations into Icelandic, law, theology, medicine and science, industries, fine arts and runs of discontinued Icelandic periodicals.

Icelandic is considered a living link to the study of the middle ages, because the language has changed very little in the past 1,000 years. It is conceivable that Leif Ericson could bark orders to a crew of modern Icelanders and be understood.

The Icelandic Collection at Cornell is older than the University itself, having its beginnings in the private library of Willard Fiske, a member of Cornell's original faculty. Scholar-journalist-diplomat, Fiske began gathering the material while he was connected with the United States Legation in Copenhagen during 1850-51, 15 years before Cornell was founded.

In 1905, the collection and a bequest from Fiske's estate for

its maintenance and expansion were given to Cornell. Halldor Hermannsson, a friend and associate of Fiske's, served as curator of the collection for the next 43 years.

Under his direction the collection tripled in size and a series of scholarly volumes, the "Islandica" series, concerning the history and literature of Iceland, was published. Hermannsson edited 32 of the 40 volumes in the series published so far.

The completeness of the Fiske Collection is indicated by the fact that the only general history of Icelandic literature, from its earliest period to the 20th century, "A History of Icelandic Literature," was largely based on material found in this collection. Written by the Icelandic scholar Stefan Einarsson of The Johns Hopkins University, it was published in 1957.

The collection contains material covering all aspects of Iceland and its people since the island's discovery and settlement in the ninth century.

The heart of the medieval area of the collection comprises sagas

— historical, biographical and fictional stories, and eddas — poems and stories dealing with the mythological gods and heroes of Scandinavia and central Europe. In addition, other works in Old Icelandic and Old Norwegian as well as more recent books in various languages, which trace the development of and elucidate saga and eddic literature, are in the collection.

The Fiske Collection differs from many similar historical collections in that it contains few original manuscripts. Instead, the collection possesses a large number of carefully made facsimile copies which are exact reproductions of the originals. Fiske believed that the original documents properly belonged to the people of Iceland and should be left there.

The material dealing with Icelandic literature since the 16th century includes a copy of the first book printed in Icelandic, a New Testament printed in 1540. In addition there are also copies of newspapers, pamphlets and books published in Iceland since that date.

Computer To Index Historical Records

A New York Historical Resources Center is being planned at Cornell University with its first objective to develop a computerized index pinpointing the location of manuscript and archival collections, artifacts, documents, photographs, genealogical materials, architectural records, and other historical information bearing on New York State.

Supported by a \$17,000 grant from the National Endowment for the Humanities (NEH) and a \$2,000 grant from the New York State Council on the Arts, the center will provide both scholars and the general public with greater access to the materials illustrative of the state's history. The aim is to stimulate scholarly and popular interest in the heritage of the area.

Funding will cover planning over the next year leading to the formal establishment of the center. Activity will be limited to identifying, not collecting, things of historical significance. Herbert Finch, assistant director of Olin Library at Cornell and over-all supervisor of the project, emphasized that the center would be gathering information, not taking physical custody of any materials.

He said the center would also provide technical information to organizations requesting guidance in the care and administration of manuscripts, archives,

and other items. In cases where records face imminent danger, attempts would be made to locate an appropriate repository.

Finch said Cornell is the ideal location for such a project. He cited Cornell's central location geographically, its outstanding collection of New York history materials, and its public service mandate as the state's Federal Land Grant institution. Funding to continue the center beyond the initial grant period will be sought from various sources, both public and private, according to Finch.

Finch announced that G. David Brumberg has been hired as full-time director of the project. Brumberg, who received his doctorate in American History from Miami University (Oxford, Ohio) last May, has been director of the Geneva (N.Y.) Historical Society, has worked in the National Archives, and has served as a field representative for the Museum Aid Program of the New York State Council on the Arts.

Brumberg's objective is to develop, in consultation with the various historical interest groups in New York State, a program statement which will set forth the rationale, goals, priorities, and operating guidelines for the center. His goal is to begin data collection for the state historical resources survey in July 1978.

A Collection of Essays

Book Explores Ethnic Strife

The greatly expanded role of modern government, erosion of state-associated nationalism, the unequal regional distribution of economic prosperity and the communications revolution are all contributing factors to the resurgence in ethnic minority movements, beginning in the late 1960s, in Western Europe and Canada.

The interplay of these factors and their impact on the political mobilization of dissident ethnic minorities, such as the Quebecois, Scots and Basques, are the focus of a new book, "Ethnic Conflict in the Western World," edited by Milton J. Esman, director of the Center for International Studies at Cornell University, who is also the John S. Knight Professor of International Studies and professor of government.

The book, a collection of 15 essays about specific areas and types of problems written by leading European, Canadian and

American scholars in ethnic politics, represents the first systematic attempt to analyze the re-emergence of regionally based ethnic solidarities in politically stable, industrialized societies. As evidenced by the current tensions in Canada, Britain and Spain, ethnic nationalism and separation have become a major preoccupation of statesmen in many western countries, even though most observers until recently considered it a vanishing phenomenon, Esman says.

In a concluding chapter, Esman comments on why the demands of ethnic groups began to be asserted with new vigor and sometimes violence: "The expanding activities (of modern governments) foster the expectations of organized constituencies as the state becomes the society's universal problem-solver. As the state regulates, invests, and provides services, it stimulates demands which begin

to overtax its capabilities ... Having stimulated expectations, central governments become at the same time the focus of demands and the target of grievances. Of critical importance ... is the fact that some regions are the homelands of distinctive ethnic groups."

The spread of the mass media, according to Esman, tends to aggravate grievances: "The mass media, especially radio and television, have completely penetrated the peripheral regions. There is considerable uniformity in the messages they convey, and these tend to reflect conditions, culture and life styles of the increasingly affluent center ... The obvious control of the media by the center — obvious because of the language spoken and the topics treated — may aggravate cultural grievances even in relatively prosperous regions," he writes.

Course Asks How Governors Decide

A Cornell University business school professor is attempting to provide his students with the answer to a question that has mystified the American public for decades. He is giving a course this fall on "how government agencies at the Federal, State and local levels make decisions."

Tapping his experiences in the nation's capital, where he served the past three years as director of the Office of Policy Analysis for the Federal Environmental Protection Administration, Michael Hirsch is giving the course in the Graduate School of Business and Public Administration (B&PA). He is at Cornell as a visiting associate professor for the 1977-78 academic year.

The course is based on real cases. The actual decisions will

be discussed to see why they were made and whether or not the students agree with them. The discussions will bring out, he says, some of the political considerations and non-quantifiable reasons why certain decisions were made.

A 1965 graduate in engineering from Massachusetts Institute of Technology (MIT), Hirsch studied at MIT's and Harvard University's joint economics, engineering and business program in Decision Control. He was an analyst in the office of former Secretary of Defense Robert McNamara from 1967 to 1970. From 1970 to 1972 he was an assistant administrator of New York City's Environmental Protection Administration in charge of solid waste management.

Cornell Libraries Hours for Fall

Fall Semester - September 5, 1977 through December 22, 1977**							
LIBRARY	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Africana Studies	9A-9P	9A-9P	9A-9P	9A-9P	9A-9P	12N-5P	1P-9P
B & PA	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P
Engineering #	8A-11P	8A-11P	8A-11P	8A-11P	8A-9P	9A-5P	1P-11P
Entomology	9A-5P	9A-5P	9A-5P	9A-5P	9A-5P	10A-5P	Closed
Fine Arts	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P
Hotel	8:30A-11P	8:30A-11P	8:30A-11P	8:30A-11P	8:30A-5P	9A-12:30P	1P-11P
I & LR	8A-11P	8A-11P	8A-11P	8A-11P	8A-7P	9A-5P	1P-11P
Law #	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-10P	9A-5P	1P-12mid
Mann	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P**
Mathematics	8A-11P	8A-11P	8A-11P	8A-11P	8A-10P	9A-5P	1P-11P
Music	9A-11P	9A-11P	9A-11P	9A-11P	9A-5P	12N-5P	2P-11P
Olin ##	8A-12mid	8A-12mid	8A-12mid	8A-12mid	5A-10P	9A-10P	1P-12mid
Physical Sciences	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-12mid	3A-12mid	6A-12mid
Uris #	8A-12mid	8A-12mid	8A-12mid	8A-12mid	8A-10P	9A-10P	12i-12mid
Veterinary	8A-11P	8A-11P	8A-11P	8A-11P	8A-5P	8A-5P	2P-11P

*Except for vacation periods when special schedules will be issued. **The last date of this schedule may vary with changes in the schedule of final examinations. #Hours will vary during study and examination week. Changes will be posted. ##No paging at Olin after 6P on Saturdays. **Mann Reserve Desk only open at 11A on Sundays.

Big Red/IC Scrimmage Saturday

New Coach Bob Blackman, after watching his 90 Cornell football players in the first Red-White scrimmage game Saturday night at Schoellkopf Field, is now looking forward to seeing what they can do against the opposition.

Cornell will play Ithaca College in a scrimmage game at 8 p.m. Saturday at Schoellkopf. Blackman said, "We'll play it just like a game with live action on kickoffs, punts, field goals, etc. The only stipulations will be that certain teams will be allotted segments when they can be on the field."

Many people have asked Coach Blackman if Saturday night's game isn't a grudge affair. "It's certainly not," he stated. "I have every respect for Ithaca College, and Jim Butterfield is an old friend of mine. There's no question that I want to make a good showing. We want to win, but the number one objective is to get ready for the season. This is why we made the rules about certain teams being allotted segments of playing time."

"Obviously, Ithaca College has an advantage on us," he said. "It has 10 or 11 starters back on defense. It started practice earlier than we did. It has one scrimmage game (I.C. vs. Brockport) under its belt, and the Ithaca players are familiar with Coach Butterfield's system."

One of the pleasures of the Red-White scrimmage, according to Blackman, was how well the Cornell players have picked up the new offensive and defensive systems. "Being down on the field and watching closely, I saw a thousand mistakes which we will have to correct," he explained, "but I'm optimistic because it was a great showing, all things considering. Everyone was dog tired from 10 days of two-a-day drills in hot, humid weather."

"I was really pleased. The Red team had 431 yards in total of-

fense and that's good for anybody." Blackman feels the team is two-deep at quarterback, fullback and tailback. Battling it out at quarterback are a pair of juniors who did the same in 1976, Jim Hofher and Mike Tanner. Competing for the fullback slot are two familiar faces, senior Joe Holland and junior Ken Talton. Junior Johnny Riley and senior Craig Jaeger are fighting for the number one tailback position. "We'll be able to stay fresh at those three positions," said Blackman. "This is something a good team should be able to do."

The new head coach did show his concern for lack of depth at linebacker and swingback. Last year's top rusher, senior Neal Hall, has been moved to swingback but he didn't play on Saturday because of a slight shoulder separation.

Senior linebacker Terry Lee was a standout on defense. Defensive end Bob Weggler, who has a V for victory shaved on the top of his head, turned in an excellent performance.



Before classes began the Cornell football players were out practicing twice a day on Schoellkopf Field (pictured from the top of Bradfield Hall).

Women's Teams' Schedules Set

Four Cornell women's teams will challenge 38 opponents during the 1977 fall season.

Coach Cheryl Wolf's field hockey team will complete the Cornell invasion of Philadelphia (the football and soccer teams will also be there) when it travels to the University of Pennsylvania for an 11 a.m. game on Saturday, Sept. 17. The women will close out their season by playing in the New York State Tournament on Oct. 28-29. The first home game is at 10 a.m., Saturday, Sept. 24, against Colgate on Helen Newman Field.

The women's tennis team, led by coach Gwen Ritchie, will open its campaign by traveling to Cortland for a 4 p.m. match on Monday, Sept. 19. The opening

match of the season will be against Wells College at 4 o'clock on Wednesday, Sept. 21, on the Helen Newman Courts.

Coach Andrea Dutcher's volleyball team opens its season in Binghamton at 6 p.m., Tuesday, Oct. 4, against the host school, Syracuse and Oneonta. The Big Red will face 15 opponents, travel to the Ivy League and State Tournaments, and host the District Tournament.

The Cornell women's cross country team will see action in three invitationals, the Ivy League Championship and the EIAW Championships. Coach Greg Page's runners will open the season on Saturday, Oct. 8, at Brockport. They will host the Cornell Invitational on Oct. 22.

The schedules:

Women's Volleyball: Oct. 4,

Syracuse and Oneonta at Binghamton (6 p.m.); 8, Mansfield State at Geneseo (1 p.m.); 11, Colgate and Cortland (6 p.m.); 18, Oneonta at Ithaca College (4 p.m.); 20, St. John Fisher at R.I.T. (6:30 p.m.); 22, Corning C.C. (11 a.m.); 26, Rochester (7 p.m.); 28-29, Ivy League Tournament; Nov. 2, Oneonta (6 p.m.); 5, District Tournament at Cornell (10:30 a.m.); 7, at Oswego (7 p.m.); 19-20, State Tourney.

Women's Cross Country: Oct. 8, at Brockport Invitational; 15, at Hartwick Invitational; 22, Cornell Invitational; 29, Ivy Championships at Yale; Nov. 5, EIAW Championship at Penn State.

Women's Field Hockey: Sept. 17, at Pennsylvania (11 a.m.); 20, at Brockport (4 p.m.); 24,

Colgate (10 a.m.); 26, at Cortland (3 p.m.); 28, at Wells College (4 p.m.); Oct. 1, at Bucknell (11 a.m.); 3, Rochester (3:30 p.m.); 5, at William Smith College (4 p.m.); 8, Harvard (10 a.m.); 12, Ithaca College (3:30 p.m.); 15, at Hartwick (2 p.m.); 22, at St. Lawrence (2 p.m.); 28-29, New York State Tournament.

Women's Tennis: Sept. 19, at Cortland (4 p.m.); 21, Wells College (4 p.m.); 23, Rochester (3:30 p.m.); 28, at Syracuse (4 p.m.); Oct. 1, at Brockport (1:30 p.m.); 3, Colgate (4 p.m.); 5, at Ithaca College (3:30 p.m.); 11, Oswego (4 p.m.); 12, at Binghamton (4 p.m.); 15, at St. Lawrence (12 noon); 20, Oneonta (4 p.m.); 29, Pennsylvania (11 a.m.).

Wear Red Coat, Shirt: Soccer Game Is Half Price

Red will be the key color when Cornell University's varsity soccer team hosts Birmingham University from England in an international soccer game at Schoellkopf Field on September 13 at 7:30 p.m.

Tickets for the game are priced at \$2 for adults and \$1 for students, but adults wearing a red coat or shirt to the game will be able to purchase a ticket at half-price.

Birmingham is rated one of the best collegiate soccer teams in England, while Cornell will be seeking a seventh straight trip to the NCAA playoffs.

Lacrosse Championship To Be Here in 1978

The 1979 NCAA Division I Lacrosse Championships will be held on Schoellkopf Field. Dick Schultz, director of athletics, said the game will be played on May 26, 1979.

Schultz said, "Six months ago we filed a bid with the NCAA to be host to this prestigious event and we're pleased that the organization has given us the opportunity to do so. We like to think of Ithaca as the nation's lacrosse capitol with Cornell being the NCAA champion for the past two years. We expect that people will be coming here from all over the country."

This will be the first time Cornell has been the host for the lacrosse championships. In 1975 the University entertained the 34th annual North-South lacros-

se game and the event will return here next spring.

Cornell lacrosse coach Richie Moran, who has directed the Big Red to three NCAA titles since 1971, expressed his pleasure with the site committee's decision.

"It's not only great for the University, but it will make a tremendous contribution to the community," he said. "The escalation of the game in this area has been fantastic. I'm sure that the National Championship will attract many fans from Central New York State. This will be a history-making event for us and the exposure, we hope with national television, will be unlimited for Cornell and the City of Ithaca."

Football, Cross Country, Soccer Schedules

Men's Fall Action Slated

Cornell's soccer and football teams will kick off the 1977 fall schedule for Big Red men's athletic teams when they travel to the University of Pennsylvania.

The Big Red booters will begin the action at 8:15 on Friday night, Sept. 16. Coach Jack Writer's team is seeking its seventh straight NCAA playoff competition this season.

Prior to the Ivy League encounter, the soccer team will play an exhibition at 7:30 p.m. Tuesday, Sept. 13, against Birmingham (England) University here at Schoellkopf Field. The Big Red is also slated for another exhibition on Oct. 5 here against the College of Dublin.

Coach Bob Blackman will make his Ivy League debut with the Cornell gridmen at 7:30 Saturday night, Sept. 17. History will be in the making as it will be the first time that two Ivy League football teams are meeting at night. The home opener will be at 1:30 p.m., Saturday, Sept. 24, against Colgate.

The men's cross country team will begin action on the home front against Colgate at 4:15 p.m. on Friday, Sept. 23. In ad-

dition to facing 10 opponents during the regular season, the Big Red will compete in the Lehigh Invitational, the Heptagonals and the IC4A Championships.

Coach Bob Cullen's lightweight football team will open the season at home at 7:30 p.m., Friday, Oct. 7, against Rutgers. The 150-pounders play three home games and two on the road.

The four men's teams will go on the field against 39 opponents.

The schedules:

Varsity Football: Sept. 17, at Pennsylvania (7:30 p.m.); 24, Colgate (1:30 p.m.); Oct. 1, Rutgers (1:30 p.m.); 8, Harvard (1:30 p.m.); 15, at Brown (1:30 p.m.); 22, at Dartmouth (1:30 p.m.); 29, Yale (1:30 p.m.); Nov. 5, Columbia (1:30 p.m.); 12, at Princeton (1:30 p.m.).

Lightweight Football: Oct. 7, Rutgers (7:30 p.m.); 15, at Pennsylvania (3 p.m.); 21, Army (7:30 p.m.); Nov. 4, Princeton (7:30 p.m.); 11, at Navy (2 p.m.).

Varsity Cross Country: Sept. 23, Colgate (4:15 p.m.); Oct. 1, at Syracuse (11 a.m.); 7, Army (4:30 p.m.); 14, Columbia, St.

John's, Iona, Seton Hall and Lafayette at New York (3 p.m.); 22, at Lehigh Invitational (10:30 a.m.); 29, Bucknell and Rochester (11:30 a.m.); Nov. 4, Heptagonals at New York; 14, IC4A at New York; 21, NCAA at Pullman, Wash.

Varsity Soccer: Sept. 13, Birmingham (England) exhibition (7:30 p.m.); 16, at Pennsylvania (8:15 p.m.); 20, at Colgate (3 p.m.); 24, Brockport (7:30 p.m.); 28, Syracuse (7:30 p.m.); Oct. 1, at Binghamton (2 p.m.); 4, at R.P.I. (3:30 p.m.); 5, College of Dublin exhibition (7:30 p.m.); 8, Harvard (10 a.m.); 14, at Brown (7:30 p.m.); 22, at Dartmouth (11 a.m.); 25, Cortland (7:30 p.m.); 28, Yale (7:30 p.m.); Nov. 2, Hartwick (7:30 p.m.); 6, Columbia (1 p.m.); 12, at Princeton (10:30 p.m.).



CRIME ALERT

Volunteers Sought

By Mary McGinnis

Six human service programs have scheduled training sessions to begin before the end of September. As Fall semester class schedules are straightened out, you may find some time left for helping others and learning new skills at the same time.

PLANNED PARENTHOOD: Training as interviewers or medical assistants begins Sept. 13 and continues for six Tuesday and Thursday evenings. Experience in interviewing, teaching and some medical background valuable. After training, volunteers will be asked to serve for one four-hour shift each week and to make a year's commitment.

EARS: Empathy, Assistance, Referral Service, a campus-based peer counseling service, begins volunteer training the second week of classes. Sign up in the Dean of Students' Office, 103 Barnes Hall, by Friday, Sept. 9. (Telephone: 256-3608.)

SUICIDE PREVENTION AND CRISIS SERVICE: You must be 21 or a college senior to work for Suicide Prevention, a community-based crisis counseling service. Volunteers will begin eight sessions of training on Sept. 19, which include seven Monday evenings and all day one Saturday. Commitment of 15 hours a month for at least one year is asked.

OAR: Offender Aid and Restoration, a community-based volunteer program designed to counsel jail inmates and their families during incarceration and assist their readjustment into the community, announces evening training sessions Sept. 15, 16, 19, 20 and 21, plus an all-day session, Saturday, Sept. 17. After training, a 10 hour per month commitment is expected for one year, plus monthly feedback sessions.

4-H YOUTH PROGRAMS: Volunteers with specific expertise in areas such as sewing, cooking, woodworking, camping or environmental education who wish to share their skills with children 7-11 years old are sought for in-city programs involving West Village, Hancock St. and Plain St. housing projects. Commitment of two-hour block between 4-9 p.m. once a week for a period of 12 weeks required. Training begins Sept. 19, and help will be provided in development of four-week lesson plans.

CURRENT VOLUNTEER NEEDS

YOUNG MAN, 29 YEARS OLD, seeks one-to-one remedial help in reading and math preparation for high school equivalency exams. Prefers someone about his age or older. Working full-time, so help will have to be evenings or weekends, twice a week. Commitment of 6-8 months necessary.

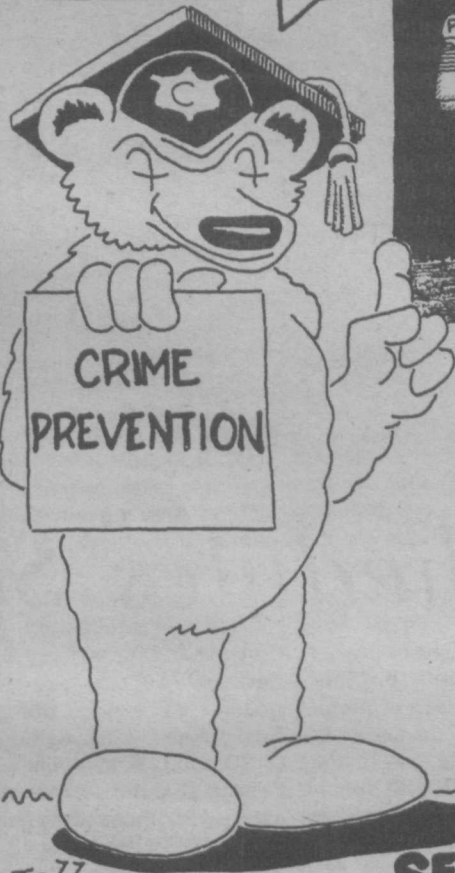
COALITION FOR VOTER REGISTRATION needs volunteers to sit at a desk in Willard Straight. Hourly slots, 10-2, Tuesday through Thursday, for the month of September.

DAY CARE CENTERS IN ITHACA IN URGENT NEED OF VOLUNTEERS: Some operate half-day, others are open from 7:30 a.m. - 5:30 p.m. A few hours once a week would be appreciated, especially in the afternoons. On city bus lines or within easy reach of the campus.

To respond to these needs, please call CIVITAS, 256-7513, Monday through Friday, from 10 a.m. to 2 p.m., or drop in Room 125, Anabel Taylor Hall, or call the Voluntary Action Center, 272-9411, Monday through Friday, 9-4, and Saturday, 9-1.

NO. 13

THE CORNELL
DEPT. OF PUBLIC
SAFETY WOULD
LIKE YOU TO
KNOW THAT



SECURITY IS A BLUE LIGHT

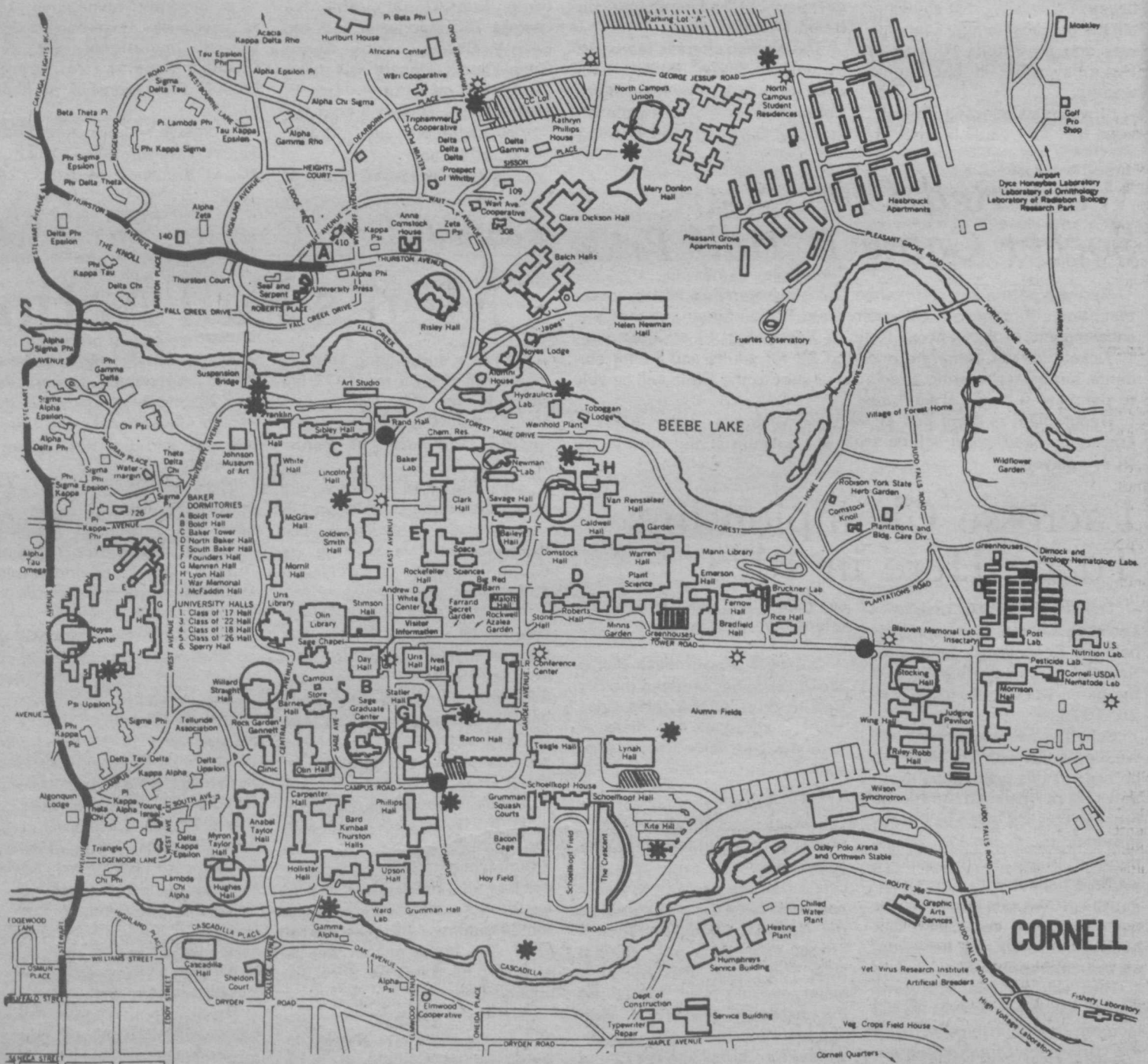
If you wish to report an emergency or if you need information or assistance, just pick up the phone under a Blue Light. A Public Safety officer will answer immediately. On the main campus area you will never be far away from one. So take a tour and learn these locations!

- 1 CASCADILLA FOOT BRIDGE
- 2 SOUTH END NEAR BARD HALL
- 3 SOUTH END OF FALL CREEK SUSPENSION BRIDGE.
- 4 SOUTH END OF NOYES PANCAKE HOUSE FT. BRIDGE.
- 5 SOUTH SIDE OF NORTH CAMPUS UNION.
- 6 WEST DORMS-SOUTHWEST CORNER OF U.H.1.
- 7 ARTS QUAD-SOUTHWEST OF LINCOLN HALL.
- 8 KITE HILL-SOUTH OF THE SUB-STATION.
- 9 UPPER ALUMNI FIELD NORTHEAST FROM LYNCH RINK.
- 10 A-LOT SOUTH UPPER BUS STOP.
- 11 B-LOT SOUTH UPPER BUS STOP.

USE THEM IF YOU
HAVE TO..... YOUR
SECURITY COMES 1ST.

- ★ Blue Lights
If you are lost, just pick up a phone under a blue light for directional assistance.
 - Traffic Booths
Traffic Officers can help direct you on campus.
 - ⊙ Campus Bus Stops
 - ▨ Parking
 - Cornell Dining Facilities
- One more blue light not shown on map is in "B" Parking Lot.

Additional Blue Light Phones have been installed at the following locations: Public Safety Department entrance on the north side of Barton Hall; junction of Central and University avenues across from the Johnson Museum of Art; corner of Triphammer and Jessup roads; Cascadilla Gorge footbridge below the tennis courts, and the northwest corner of Martha Van Rensselaer addition.



CU Policy Notebook Published

Copies of the "1977 Policy Notebook for Students, Faculty and Staff" are available in the Dean of Students Office, 103 Barnes Hall. The booklet contains the basic documents concerning campus conduct, student rights, academic integrity and many other areas.

Since there were only a small number of changes made in the 1977 version from last year's version, fewer 1977 editions were published. Dean of Students Elmer Meyer Jr. said if continuing students have last year's edition, they may obtain a

full listing of changes made in the 1977 policy notebook.

The only major revisions include a listing of new marijuana penalties under the recently enacted New York State Marijuana Reform Bill and additional information on Title IX sex discrimination legislation. The new marijuana law will not substantially change the University's policy for dealing with marijuana on campus, according to Meyer.

Further information on the new marijuana penalties may be obtained in 103 Barnes.

Regional Studies Funds Available

A Sabbatical Research Fellowship Program and Undergraduate and Graduate Intern Program for scholars interested in regional studies has recently been inaugurated. The fellowships and internships are available through the Northeast-Midwest Research Institute, it was announced by Barclay G. Jones, co-director of Cornell's Program in Urban and Regional Studies. The institute is the research facility for the Northeast-Midwest Economic Advancement Coalition, a bi-

partisan group of 204 Congressmen from the 16 states of the Northeast and Midwest.

The Sabbatical Research Fellowship program is designed to attract academicians on sabbatical leave who are interested in analyzing regional issues.

The institute also uses interns who must have at least junior class status. Although no pay is offered, university credit may be arranged.

For further information contact John Crowley, executive director, Program in Urban and Regional Studies at 256-6262.



Freshman Frantically Fumble for Footwear

This shoe scramble is part of Cornell's Orientation, otherwise known as the Freshman Offbeat Olympics, held during the week before classes begin.

Academic Funding Appointment

C. Frederick Bentley II, currently assistant director of the Office of Sponsored Programs at Massachusetts Institute of Technology (MIT), will become associate director of the Office of

Academic Funding effective Aug. 1.

He replaces Jack Lowe, who has joined the staff of Samuel A. Lawrence, Cornell vice president for financial and planning services, as senior staff associate with responsibilities in the area of administrative operations and analysis.

Bentley has been responsible since 1972 for reviewing proposals, negotiating contracts and monitoring contract performance for MIT research programs funded through outside grants and contracts.

As associate director of

Cornell's Office of Academic Funding, he will supervise its

day-to-day operations and maintain statistical information on the University's sponsored programs, which amounted to more than \$45 million for the Ithaca campus during 1976-77.

He will be responsible for all University-wide grants and contracts and for the contract support of the National Astronomy and Ionosphere Center, which Cornell operates as a national facility for the National Science Foundation.



Horse Authority to Give Talks

British author and authority on horses, Anthony J. Dent will give two lectures at Cornell University this month. The public is invited.

At 4:30 p.m. Thursday, Sept. 15, in 215 Ives Hall he will discuss the topic, "Anglo-American Horse Talk." It will be a linguistic discussion of the di-

verging vocabulary of American and British horsemen.

The following day, Friday, Sept. 16, he will lecture in 146 Morrison Hall on the subject, "Why Preserve Rare Breeds?" The lectures are sponsored by the Committee on University Lectures.

Dent, who lives in Whitby, Yorkshire, has been writing about horses since the late 1950s. His books have included "Chaucer and the Horse," "The Foals of Epona: A History of British Ponies from the Bronze Age," and "The Horse through Fifty Centuries of Civilization."

Bulletin Board

Magazine Seeks Material

Rainy Day, a magazine of poetry and fiction now in its 8th volume, is expanding to a new tabloid format appearing seven times a year. The magazine is seeking poems, fiction and graphics for publication. The deadline is Sept. 26. Send submissions to 245 Goldwin Smith Hall with a self-addressed, stamped envelope.

A general meeting of the editorial staff will be held at 4:30

p.m. Sept. 9 in 245 Goldwin Smith. New members are welcome.

English Classes Registration

The Cornell Campus Club International Hospitality Committee sponsors classes for anyone in the area who wants to learn English. Registration for the fall term will be held from 7:30-9 p.m. Wednesday, Sept. 14, in the Founder's Room, Anabel Taylor Hall. The fee of \$3 entitles the student to attend any number of classes during the term. Classes begin Sept. 19.

Schedules are available at the International Student Office in Barnes Hall. For further information, call Judith Ashcroft at 273-8549, or Margaret Fowler at 273-5263.

Woodburning Workshop

A workshop on woodburning is planned for Sept. 24 in Morrison Hall. Sponsored by Cornell University, Cooperative Extension and several state organizations involved with forestry and woodlot management, the workshop will feature Jay W. Shelton, author of "The Woodburners Encyclopedia," as keynote speaker. James P. Lassoie and Robert R. Morrow, professors of forestry in the Department of Natural Resources at Cornell, will also be speaking. In addition to the formal presentations, woodburning units and related equipment will be exhibited. The \$5 registration fee includes lunch.

For further information, contact James Lassoie at 256-2114.

Sage Notes

(from the Graduate School)

A meeting of the Graduate Faculty will be held at 4:30 p.m. on Friday, Sept. 9, in Kaufmann Auditorium, Goldwin Smith Hall. The order of business will be the voting of August degrees.

Graduate students who have Cornell administered awards which provide tuition, please note: Although your tuition charge appears on your Aug. 10 bill, credits for tuition aid will not appear until your Sept. 10 or Oct. 10 billing statement.

Graduate students who are New York State residents are reminded to apply for a TAP award, even if tuition is not paid by a fellowship or assistantship. Contact the Bursar's Office, 260 Day Hall, for information and application forms.

For information concerning Fulbright Hays Doctoral Dissertation Abroad Fellowships and Fulbright Hays Grants, contact Iris Brothers, campus Fulbright advisor, Graduate Fellowship Office, 116 Sage Graduate Center. Deadlines are rapidly approaching.

Students who have completed four years of residence, are not receiving money from Cornell, and who need only library facilities (use of carrel included) to complete their theses, may be eligible for a special tuition rate of \$400. Check with the Graduate School for details and application forms. Graduate students whose employment is other than or in addition to a teaching or research assistantship may be eligible for proration of tuition for reasons of employment (applications available at the Information Desk, Sage Graduate Center).

All doctoral program students who have completed six residence units prior to the beginning of this semester and have not attempted the Admission to Candidacy Examination must either schedule the examination by mid-September or request permission from the Graduate School for an extension (by recommendation of special committee).

Graduate students are reminded that in nominating their special committees only members of the Graduate Faculty of the appropriate field may represent major or minor subjects.

Special Seminars

Agriculture and Life Sciences

JUGATAE: "A Visit to Japan: Impressions from the Land of the Rising Sun," Gertrude Teetor, 12 noon (bring bag lunch), Monday, Sept. 12, Comstock 145.

PLANT PATHOLOGY: "Relationship Between Tolerance to Isoflavonoid Phytoalexins and Pathogenicity," H.D. VanEtten, 4:30 p.m., Tuesday, Sept. 13, Plant Science 404.

VEGETABLE CROPS: "Horticultural Production in Yemen," Booker T. Whatlet, Tuskegee Institute, 4:30 p.m., Thursday, Sept. 8, Plant Science 404.

Arts and Sciences

BIOCHEMISTRY AND BIOPHYSICS: "Interaction of the Acetylcholine Receptor with a Phosphorylating-Dephosphorylating System," Vivian Teichberg, Institut Pasteur, Paris, 4:30 p.m., Friday, Sept. 9, Stocking 204.

CHEMISTRY: "Boron — It's Elementary My Dear Watson," Roger E. Hughes, 4:40 p.m., Thursday, Sept. 8, Baker Lab. 119.

PHYSICS: "Muon Pair Production: The Upsilon Family and Quark Annihilation," Stephan Herb, Columbia University, 4:30 p.m., Monday, Sept. 12, Clark 700.

Biological Sciences

PHYSIOLOGY: "The Synthesis of Aein Storage Protein in Corn Endosperm and Its mRNA," Benjamin and Frances Burr, Brookhaven National Laboratory, 11:15 a.m., Friday, Sept. 9, Plant Science 404.

PHYSIOLOGY: "Control of Ribosome Synthesis and of Growth in Neurospora crassa," Lilia Alberghina, University of Milano, 4:30 p.m., Wednesday, Sept. 14, Plant Science 404.

Centers and Programs

CENTER FOR RADIOPHYSICS AND SPACE RESEARCH: "The Tidal Theory of the Origin of Satellite Comm-

surabilities," S. Dermott, 4:30 p.m., Thursday, Sept. 8, Space Sciences 105.

Human Ecology

TEXTILES: "Marketing and Advertising of Children's Toys," Nancy Saltford, 4:30 p.m., Tuesday, Sept. 13, MVR 317.

TOXICOLOGY: "Effects of Aflatoxin on Hepatic Glutathione Levels in the Protein-deprived Animal," Lynn Allen-Hoffman, 12:15 p.m., Monday, Sept. 12, MVR N225.

Career Center Calendar

Sept. 13 — Resume Critique, 12:15 p.m. at the Career Center. If you have prepared a typed draft of a resume, a counselor will evaluate it and offer constructive criticism. Sign up in advance.

Sept. 14 — "The Job Hunt," 7-10 p.m. at the Career Center. John Munschauer, director of the Career Center, will talk about how to use letters, resumes, interviews and other aids to finding a job, even if you don't know what you are looking for. These talks are designed for non-technical students. Students who attend one of the Job Hunt Talks will be given priority in signing up for interviews with employers interested in non-technical graduates. Sign up with the Career Center (256-5221).

Sept. 15 — Meeting on Prestigious Fellowships, 4:30 p.m. in Uris G-92. Campus advisors will talk and answer questions about the Rhodes, Marshall, Luce, Churchill, Danforth, DAAD and Fulbright-Hays programs.

"The Job Hunt," 7-10 p.m. in the Career Center. See listing for Sept. 14.

"Careers and Graduate Study in Management (private sector)," 4:30 p.m. in Uris G-94. Panel discussion by professionals in the field, followed by question and general discussion session.

Calendar

September 8-18

All items for the Chronicle Calendar must be submitted by mail or in person to Fran Apgar, Office of Central Reservations, 32 Willard Straight Hall, at least 10 (ten) days prior to publication of the Chronicle.

* Admission charged

Attendance at all events is limited to the approved seating capacity of the hall.

Thursday, September 8

- 8:30 a.m.-4 p.m. Extramural Registration. Day 105.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting. Anabel Taylor Founders Room.
6:30 p.m. Hebrew Conversation: Beginners. Anabel Taylor 314.
7:30 p.m. Hebrew Conversation: Intermediate and Advanced. Anabel Taylor 314.
7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.
7:30 p.m. Fundamentals of Jewish Thought. Anabel Taylor Forum.
8 p.m. "Thursday's" coffeehouse sponsored by Straight Board, featuring "Desperado" folk and rock band. Free and open to Cornell community. Refreshments. Straight Memorial Room.
8:30 p.m. Explorations of Siddur, an historical record of the development of Jewish consciousness.

Friday, September 9

- 8:30 a.m.-4 p.m. Extramural Registration, last day to register without payment of \$10 late fee. Day 105.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Women's Studies Friday Seminar: "The Divided Woman: Sexuality/Intellectuality," Michele LeDoeuff, associate professor Philosophy, Ecole Normale Supérieure, Paris. I&LR Conference Center 105.
1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.
3-7 p.m. Happy Hour. North Campus Thirsty Bear Tavern.
4-6 p.m. Happy Hour with entertainment. Noyes Center Pub.
4:30 p.m. Department of Music lecture: "Orchestral Performances of the Haydn Era," by Neal Zaslaw. Barnes Auditorium.
6:30 p.m. Shabbat Service (Conservative). Anabel Taylor Founders Room.
7 p.m. Pentangle II Free Film Series: "Rules of the Game" (Renoir, 1939, France); short "Glass" (Haanstra, 1958, Netherlands). Uris Hall Auditorium.
7 & 9:45 p.m. *Cornell Cinema presents "All the President's Men." Statler Auditorium.
7:15 p.m. Shabbat Service (Orthodox). Young Israel House.
8 p.m. *Cornell Cinema presents "Rocky Horror Picture Show" at 8 p.m. "Phantom of the Paradise" at 10 p.m. Straight Theatre.
9 p.m. Alkebu-lan Kesho Unlimited will sponsor a benefit disco program to Free the Wilmington 10 and the 5 Puerto Rican Nationalists. Big Red Barn.
11 p.m. *Cornell Cinema presents "Let It Be." Late Nite Series. Uris Hall Auditorium.

Saturday, September 10

- 9:30 a.m. Shabbat Service (Orthodox). Anabel Taylor Edwards Room.
9:30 a.m. Shabbat Service (Conservative). Anabel Taylor Founders Room.
12 noon "Dungeons & Dragons" meeting of the Science Fantasy Recreations Club. Straight Loft II.
2:30 p.m. Department of Music presents Big Red Band concert. Marice Stith, director. Libe Slope. (Straight Memorial Room in case of rain).
4:30-5 p.m. Catholic confession. Anabel Taylor G-24.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
7 & 9:45 p.m. *Cornell Cinema presents "All the President's Men." Statler Auditorium.
8-12 p.m. *Cornell Outing Club square dance. Don Miller calling. Straight Memorial Room.
8 p.m. *Cornell Cinema presents "Rocky Horror Picture Show" at 8 p.m. "Phantom of the Paradise" at 10 p.m. Straight Theatre.
8:15 p.m. Department of Music presents Haydn songs and piano sonatas: Jean Hakes, soprano, and Malcolm Bilson, fortepiano. Barnes Auditorium.
9 p.m. Hillel Kimsitz-Campfire. Singing, entertainment, noshing. Noyes Center Dustbowl.
11 p.m. *Cornell Cinema presents "Let It Be." Late Nite Series. Uris Hall Auditorium.

Sunday, September 11

- 9:30 a.m. Episcopal Church worship Service. Sunday school and nursery provided. Anabel Taylor Chapel.
9:30 & 11 a.m. Catholic Mass. Church School and nursery provided: A chance to say hello at the coffee hour following the service in the One World Room. Anabel Taylor Auditorium.
10 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Anabel Taylor Forum.

- 11 a.m. Sage Chapel Convocation: Ernest T. Campbell, former minister, The Riverside Church, New York.
11:15 a.m. Protestant Church at Cornell. Anabel Taylor Chapel.
1:30 p.m. Softball game: Cornell Hillel vs. Ithaca College Hillel. Meet in Hillel Office. Anabel Taylor G-34.
4 p.m. Department of Music presents Haydn Songs and Piano Sonatas: Jean Hakes, soprano, and Malcolm Bilson, fortepiano. Barnes Auditorium.
5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
6:30 p.m. Hebrew Conversation: Beginners. Anabel Taylor 314.
8 p.m. *Cornell Cinema presents "King Lear." Uris Hall Auditorium.

Monday, September 12

- 12 noon. Catholic confession. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
5:30 p.m. *Rosh Hashanah Eve Dinner. Reservations must be made by Friday, Sept. 9 in the Hillel Office, Anabel Taylor. Dinner at Anabel Taylor One World Room.
6-8 p.m. Cornell Polo Club riding tryouts. No knowledge of polo necessary. Oxley Polo Arena.
7 p.m. Rosh Hashanah Service (Reform). Anabel Taylor Auditorium.
7 p.m. Rosh Hashanah Service (Orthodox). Anabel Taylor, Edwards Room.
7 p.m. Rosh Hashanah Service (Conservative). Statler Auditorium. Following Rosh Hashanah Services, apples and honey. Anabel Taylor One World Room.
7:30 p.m. Fall semester course "America and World Community." "Nature and Man's Treatment of the Environment of Earth." Richard Baer, Natural Resources. Open to the Cornell community. Anabel Taylor One World Room.
8 p.m. Lecture: "How to Say No to a Rapist and Survive," by Fred Storaska. Part of a three-day series of lectures and workshops dealing with the many facets of the crime of rape, sponsored by the Department of University Unions, University Unions Program Board and the Office of Residents Life. Bailey Hall.
9 p.m. *Cornell Cinema presents "Wild River." Film Club members only. Uris Hall Auditorium.

Tuesday, September 13

- 8:30 a.m. Rosh Hashanah Service (Orthodox). Anabel Taylor Edwards Room.
9 a.m. Rosh Hashanah Service (Conservative). Statler Auditorium.
10 a.m. Rosh Hashanah Service (Reform). Anabel Taylor Auditorium.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Cornell Women's Caucus. Ives 118.
5:30 p.m. Tashlich. Meet in Hillel Office, Anabel Taylor G-34 and walk together to creek near the Straight.
6-8 p.m. Cornell Polo Club riding tryouts. No knowledge of polo necessary. Oxley Polo Arena.
7 p.m. Rosh Hashanah Service (Conservative). Statler Auditorium.
7 p.m. *Cornell Cinema presents "McCabe & Mrs. Miller." Uris Hall Auditorium.
7:30 p.m. Folk dancing for couples. Singles, beginners, all ages welcome. Straight North Room.
8 p.m. Rosh Hashanah Service (Orthodox). Anabel Taylor Edwards Room.
9:30 p.m. *Cornell Cinema presents "Jules & Jim." Uris Hall Auditorium.

Wednesday, September 14

- 8:30 a.m. Rosh Hashanah Service (Orthodox). Anabel Taylor Edwards Room.
9 a.m. Rosh Hashanah Service (Conservative). Statler Auditorium.
12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
4:30 p.m. FCR meeting. Ives 110.
7 p.m. *Cornell Cinema presents "Jules & Jim." Limited. Uris Hall Auditorium.
7:30 p.m. Fall semester course "America and World Community." "Nature and Man's Treatment of the Environment of Earth." Richard Baer, Natural Resources. Open to the Cornell community. Anabel Taylor One World Room.
7:30 p.m. Cornell Student Wives Club Join-up coffee hour. North Campus Union 2nd floor lounge.
9 p.m. *Cornell Cinema presents "McCabe & Mrs. Miller." Uris Hall Auditorium.

Thursday, September 15

- 12 noon. Catholic confession. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
1-3 p.m. Campus Club fall reception to welcome Mrs. Rhodes and all newcomers. Babysitting provided if requests are made, 257-3167 or 257-5712. North Campus 1st floor lounge.
4 p.m. Department of Natural Resources seminar: "The Environmental Impacts of a Fossil Fueled Power Plant." Daniel E. Willard, Indiana University. Fernow 304.
4:30 p.m. University Lecture: "Anglo-American Horse Talk," a linguistic discussion of the diverging vocabulary of American and British horsemanship. Anthony A. Dent, author and translator. Ives 215.
6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting. Anabel Taylor Founders Room.
6:30 p.m. Hebrew Conversation: Beginners. Anabel Taylor 314.
7:30 p.m. Fundamentals of Jewish Thought. Anabel Taylor Forum.
7:30 p.m. Israeli Folk Dancing. Anabel Taylor One World Room.
7:30 p.m. Hebrew Conversation: Intermediate/Advanced. Anabel Taylor 314.

Thursday, September 8, 1977

- 8 p.m. *Cornell Cinema presents "Mr. Deeds Goes to Town." Co-sponsored by Law School. Uris Hall Auditorium.
8 p.m. Lecture: "Everything You Should Know About Rape," by Lt. Carol Kope. Part of a three-day series of lectures and workshops dealing with the many facets of the crime of rape, sponsored by the Department of University Unions, University Unions Program Board, Office of Residents Life. Straight Theatre.
8 p.m. "Thursday's" coffeehouse featuring vocalist Marilyn Lipton on piano and guitar. Sponsored by Straight Board. Free and open to the Cornell community. Straight Memorial Room.
8:30 p.m. Explorations of the Siddur: an historical record of the development of Jewish consciousness. Anabel Taylor 314.
9:45 p.m. Class of 1978 Activities Committee meeting. All interested, please attend. Straight Conference Room.

Friday, September 16

- 12 noon. Catholic confessions. Anabel Taylor G-24.
12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Women's Studies Friday Seminar: "Development Programs in the Third World: Helping Women or Harming Them?" Adrienne Germain, Program Office, Ford Foundation, New York City. I&LR Conference Center 105.
1 p.m. SALAT-AL-JUMA (Friday prayer for Muslims). Anabel Taylor Edwards Room.
3-7 p.m. Happy Hour. North Campus Thirsty Bear Tavern.
4-6 p.m. Happy Hour. Noyes Center Pub.
4 p.m. Department of Music Symposium: Haydn's Operas. Barnes Auditorium.
4:30 p.m. University Lecture: "Why Preserve Rare Breeds?" Anthony J. Dent. Morrison 146.
6:30 p.m. Shabbat Service (Conservative). Anabel Taylor Founders Room.
7 p.m. Pentangle II Free Film Series: "All Quiet on the Western Front" (Milestone, 1930, U.S.); short "21-87" (Lipsett, 1963, Canada). Uris Hall Auditorium.
7 & 9 p.m. *Cornell Cinema presents "Young Frankenstein." Limited. Straight Theatre.
7:15 p.m. Shabbat Services (Orthodox). Anabel Taylor Edwards Room.
8:15 p.m. Department of Music Concert in honor of the 90th birthday of Mlle. Nadia Boulanger, directed by Donald R.M. Paterson. Sage Chapel.
8:30 p.m. *Cornell Folk Song Club Concert with Cranberry Lake old-time jug band from Syracuse. Straight Memorial Room.
9 p.m. *Cornell Cinema presents "Idi Amin Dada," starring the Man himself. Uris Hall Auditorium.
11 p.m. *Cornell Cinema presents "Soul to Soul." Late Nite Series. Uris Hall Auditorium.

Saturday, September 17

- 9:30 a.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.
9:30 a.m. Shabbat Service (Orthodox). Anabel Taylor Edwards Room.
3:15 p.m. Department of Music presents Haydn Marionette Opera "Philemon und Baucia." Nicolo Marionettes and St. Luke's Chamber Ensemble, Michael Feldman, director. Barnes Hall.
4:30-5 p.m. Catholic confessions. Anabel Taylor G-24.
5:15 p.m. Catholic Mass. Anabel Taylor Auditorium.
6-8 p.m. Freshmen Supper, sponsored by the Catholic Office at Cornell. Anabel Taylor One World Room.
7 & 9 p.m. *Cornell Cinema presents "Young Frankenstein." Straight Theatre.
7 & 9 p.m. *Cornell Cinema presents "Idi Amin Dada." Uris Hall Auditorium.
8:15 p.m. Department of Music presents Haydn Marionette Opera "Philemon und Baucia." Nicolo Marionettes and St. Luke's Chamber Ensemble, Michael Feldman, director. Barnes Hall.
9 p.m. *Film "Me and the Colonel" with Danny Kaye. Free for Hillel affiliates, 50 cents for non-affiliates. Anabel Taylor Auditorium.
11 p.m. *Cornell Cinema presents "Soul to Soul." Late Nite Series. Uris Hall Auditorium.

Sunday, September 18

- 9:30 & 11 a.m. Catholic Mass. All welcome. Coffee hour following Mass. Anabel Taylor Auditorium.
9:30 a.m. Episcopal Church worship service. Sunday school and nursery provided. Anabel Taylor Chapel.
10 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Anabel Taylor Forum.
11 a.m. Sage Chapel Convocation: Frank H.T. Rhodes. Cornell University president.
11 a.m. Protestant Church at Cornell. Anabel Taylor Chapel.
4 p.m. Department of Music presents Haydn Marionette Opera "Philemon und Baucia." Nicolo Marionettes and St. Luke's Chamber Ensemble, Michael Feldman, director. Barnes Hall.
5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
6:30 p.m. Hebrew Conversation: Beginners. Anabel Taylor 314.
7 p.m. *Cornell Cinema presents "Battle of Chile," shown in conjunction with the anniversary of the Fall of Chile, Sept. 11, 1973. U.S. premier. Uris Hall Auditorium.

ANNOUNCEMENTS

INTRAMURAL SPORTS: Soccer (men): Deadline on entries is at 4 p.m. Thursday, Sept. 15 in the Intramural Office, Grumman Squash Courts Building. A minimum of 12 to enter (8 will constitute a team). When entering, specify your preferred day of play, 1st and 2nd choice. Monday through Thursday evenings, and sign the chart to enter.

EXHIBITS

Herbert F. Johnson Museum of Art: Cornell University Serigraphs: through Oct. 4; Hollywood Movie Poster Saga: Sept. 17-25. (Museum members preview is Sept. 16).