



TWO CORNELLIANS IN CHINA — Professor Henry M. Munger (left) talks with another Cornellian, Wu Kwan-yuan, horticulturist with the Provincial Agricultural Research Institute at Nanking. Wu studied at Cornell for one semester during 1945-1946 on a special agricultural training program for a group of 53 Chinese. He displays a bunch of Chinese chives, while Munger examines a Chinese vegetable called zizani, a close relative of wild rice. Infection with smut fungus causes the base of the shoot to enlarge and the shoot becomes edible.

Cornell Scientist Visits Red China

A Cornell scientist praised the Chinese achievements in producing adequate food for its 800 million people.

Professor Henry M. Munger of the New York State College of Agriculture and Life Sciences made the statement after a four-week visit to the People's Republic of China as a member of the 10-member United States plant science delegation.

One observation that struck him most strongly during his visit was that the Chinese people looked "uniformly healthy and well fed," he said.

In expressing his overall impression of China, Munger agreed with a recent Time magazine report that "China has transformed itself more radically and more quickly than any other country in history ... China since 1949 has eliminated — often brutally — all traces of the old society, in which there were privileges and wealth for a very few, but dehumanizing poverty, disease and famine for the vast majority of peasants and workers.

"Anything we saw certainly is in line with that," Munger said. "They obviously have produced enough food, providing a good level of nutrition for all people."

First organized group of U.S. plant scientists to visit China since it became the People's Republic of China 25 years ago, the delegation included another Cornellian, Professor Nyle C.

Brady, agronomist and now director of the International Rice Research Institute in the Philippines.

Led by Sterling Wortman, vice president of the Rockefeller Foundation, the group also included Norman E. Borlaug, the plant breeder who won the 1970 Nobel Peace Prize. He is director of the International Wheat Improvement Program in Mexico.

Munger told a Cornell audience in a special seminar that success in achieving a huge increase in food production in China is due to a very rapid application of existing technology, water control, intensive land use, and recycling of all available organic wastes from animals, humans and the fields.

Munger, along with other delegation members, felt that construction of dams, drainage and irrigation facilities is one of the biggest factors in stabilizing food production in China.

"China was famous for droughts and floods in the past," Munger pointed out. "Now, they told us, the food production is no longer subject to these natural hazards."

Munger, who is a plant breeder specializing in vegetable crops, reported that crops looked good in general. He rated rice as outstanding, with new high-yielding dwarf varieties
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Knapp on Hiring Policies: Many Alternatives Viewed

Cornell University Provost David C. Knapp confirmed yesterday that he anticipates limitations on the amounts of academic and nonacademic hiring in the Endowed Colleges at Ithaca during 1975-76 but that "the proportions of the limitations have been and still

are a matter of discussion."

Knapp pointed out that no decision on hiring limitations had been reached, but that he had discussed the possible availability of fewer salary dollars and how to cope with the situation with many campus agencies such as faculty groups,

the Deans' Council, and the Planning Review and Campus Life Committees of the University Senate.

Knapp said that budget guidelines for the Endowed schools and colleges are not in final form. He will meet today with members of his staff and with Samuel A. Lawrence, vice president for administration, to finish drafting the guidelines for presentation to the Deans' Council meeting scheduled for Oct. 29.

Knapp said he has had extensive discussions with these campus groups concerning his view of the 1975-76 budget process as the first of two stages. The first is a "holding action" on the part of the University in the face of inflation, the second a long-term look involving contingency planning for real changes in the University's program if the economic situation does not improve.

On the same subject, Knapp

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Preregistration Using Old and New Systems

Cornell students who preregister for spring classes will find themselves completing a new "opscan" form in addition to the "grid" forms required for previous preregistrations.

In the continuing development of the Student Information System (SIS), the success of this fall's preregistration (or, as it is known to Cornell officialdom, "course registration") will determine whether or not the new system is used exclusively for spring registration (that is, "University registration," the time at which a student registers his or her presence at Cornell).

A new course and time roster will be used in the forthcoming preregistration period, Oct. 28 through Nov. 8. The new roster will give the information always given, such as department and course number, credit hours and meeting time. In addition, the new roster will give a reference number for each course, the course title, the name of the instructor, the kind of grade options available and whatever restrictions may apply to the course, such as "graduate students only," or "consent of

the instructor required."

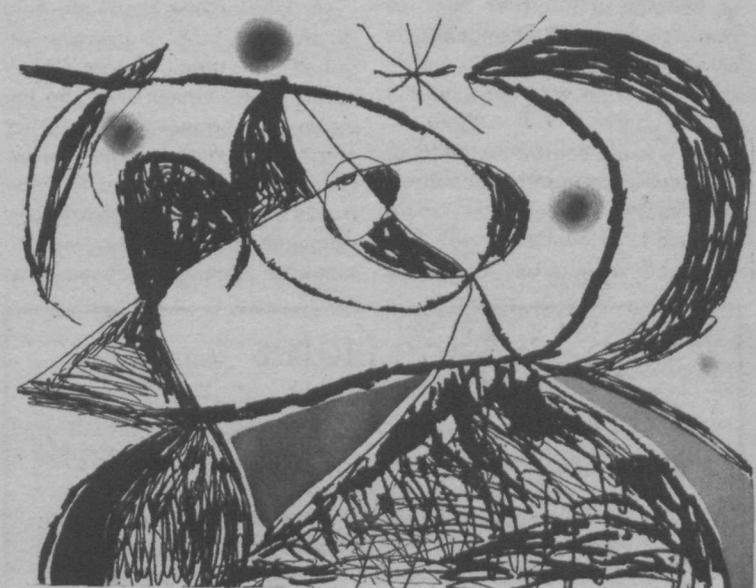
The reference number is the key to the new preregistration system. Students complete two sections on the new opscan forms. On one section, the student lists the courses he is requesting in "English" for his records and those of his college. The second section, for the benefit of the computer, is filled in strictly numerically. Since the computer will eventually be scheduling students into

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Voting Day Procedures

Employees requiring time off to vote on Election Day, Tuesday, Nov. 5, must advise their supervisor of the time needed by Friday (Oct. 25), according to Diedrich K. Willers, director, Personnel Services.

Voting hours in New York State are from 6 a.m. to 9 p.m. New York State's time-off-to-vote law authorizes registered voters to take off such time as necessary for voting, if they do not have four consecutive non-working hours in which to vote. A maximum of two hours of their time is to be paid by the employer.



Johnson Art Museum

Miro Exhibit Opens

"Mallorca," an exhibition of thirty-six etchings by the Spanish artist Joan Miro, is at the Herbert F. Johnson Museum of Art through November 17th. The prints are grouped into nine sets, each containing four impressions — the negative image, the positive image, color alone and the final color print.

Miro's earliest works were realistic paintings of his dreams. By 1923 he had simplified his forms into symbols and his work became totally surrealistic. Miro

increasingly integrated his surrealist content with abstract shapes and rhythms.

In these prints, Gene Baro who selected the works for the show says, "Miro builds upon the basis of a few black strokes. The images are made to grow in relation to the black forms. The suite, in which the individual etchings seem to call to one another, projects both the serenity and the vitality that are Miro's pictorial signature."

Budget and Its Nuances: Some Questions Answered

Cornell's financial position has been much in the news this fall. Three fiscal reports have been presented by members of the University administration: the year-end investment report, the 1973-74 fiscal report on operations, and report on 73-74 gifts. In addition, the Trustees recently approved revisions in the current year budget (1974-75). There have been analyses and projections for the coming year and beyond based on economic trends.

Inevitably, there has been confusion. A person wanting to know whether Cornell is in "good shape" or "bad shape" may receive different answers, depending on what kind of question he asks and to whom he makes his inquiry. In considering Cornell's future, there will be broad discussion and debate. Judgments will be made about economic conditions, University priorities, and the relationships between them. Decisions will be made based upon these judgments.

It is, therefore, important that complex financial information be understood. The following interview by the *Chronicle* with Vice President for Administration Samuel A. Lawrence and Treasurer Arthur H. Peterson is intended to answer questions about Cornell's financial status that many people have asked.

Q: Last year's financial report is difficult to interpret because the University changed its accounting procedures during the year. What was the outcome for last year?

A: If you discount the effect of the new accounting procedures, last year's budget was about balanced. However, we had expected a surplus of several

hundred thousand dollars for the Endowed Colleges and in fact had to use several hundred thousand dollars of reserves in connection with our related activities, particularly the heating plant. So the outcome was not as good as had been hoped.

Q: What caused this?

A: Inflation, principally in fuel costs, and the effect of a declining stock market on gifts of securities.

Q: But the Development Office reported a record high of \$32.5 million in gifts for '73-'74...

A: The point to remember is that of this \$32.5 million only about \$3.5 million was for current general purpose funds in the Endowed Colleges in Ithaca. These gifts, derived principally from the Cornell Fund, were about \$800 thousand below our initial budget estimate for the year 1973-74. The shortfall occurred entirely in gifts of stock. That is why we say a declining stock market affected last year's fiscal outcome.

Q: What about the remainder of the gifts last year?

A: \$8.2 million was for the Medical College. The Ithaca total included \$9.4 million of capital funds, largely for endowment, \$4 million for plant, \$2.6 million for life income and other funds, and \$4.8 million for restricted operating purposes.

Q: What are "life income" and "plant" funds?

A: Life income funds are held in trust by the University on behalf of their donors. They revert to the University upon the death of the donor and any other named income beneficiaries. Gifts for plant are used for new buildings and building renovations. The \$4 million received this past year was

largely for the renovation of the teaching laboratories in Baker.

Q: Couldn't the \$9.4 million for capital funds be used to support current operating costs?

A: Only a small percentage, about \$2.1 million last year, consists of this kind of completely unrestricted capital, legally usable for any purpose at any time, and most of this comes to us with instructions from the donor as to how the money should be invested and spent. The rest is legally restricted, either as to its use, or as to the requirement that we spend only income, or both.

The most common capital gift is an endowment for a professorship, or for a special category of student aid. In these cases, the added income from the endowment sometimes can be used in place of funds previously appropriated from general purpose funds, but this amount, of course, is much less than the amount of the gift itself.

Q: What about the \$7 million Baldrige estate? Wasn't that completely unrestricted?

A: Yes it was, but it also was a unique situation. The gift was received in 1972-73, and we are very fortunate now to have it as part of our unrestricted capital. Without this gift and the proceeds of the Cornell Aeronautical Laboratory sale, our unrestricted capital reserve right now would be dangerously small.

Q: Looking at the current year, 1974-75, why was it necessary to revise your budget estimates made last year?

A: For the same reasons we didn't do as well last year as had been expected — inflation and reduced income. Income from unrestricted gifts is now estimated to be \$940 thousand less than had been projected for the year. Our costs have increased. In addition enrollment is down from estimates, with the impact felt most heavily in the Endowed Colleges, which accounts for \$334 thousand less in estimated revenue. Recoveries on government grants and contracts, which are remaining at roughly their past year dollar level despite inflation, are \$665 thousand less than our earlier estimates. Finally the Capital Fund will yield \$400 thousand less for operations. We have some offsetting expense reductions. Nonetheless, the present outlook is for a budget deficit of \$1.8 million. But keep in mind that it is usually difficult this year to forecast what may be the actual financial outcome of Cornell's operations. The national economic outlook is extremely uncertain.

Q: Will the new accounting guidelines affect what you report as a deficit in the current year?

A: Not substantially. The introduction of the new
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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, N.W. Please do not inquire at individual departments until you have contacted Personnel. An equal opportunity employer

POSITION (DEPARTMENT)

Sr. Admin. Secretary (Trainee) (President's Office)
Administrative Secretary, A-15 (Sociology)
Administrative Secretary, A-15 (LASSP)
Administrative Secretary, A-15 (Engineering Dean's Office)
Administrative Secretary, A-15 (Buildings & Properties)
Department Secretary, A-13 (Psychology)
Department Secretary, A-13 (Electrical Engineering)
Department Secretary, A-13 (University Development)
Steno, A-11 (B & PA Admissions)
Steno I, NP-5 (Agricultural Economics)
Steno III, NP-9 (NYSSILR)
Sr. Account Clerk, A-13 (Accounting)
Sr. Data Clerk, A-15 (Bursar's Office)
Account Clerk, NP-6 (Natural Resources)
Searcher I, A-13 (Portuguese) (Library)
Records Clerk III, NP-8 (Vet College)
Assistant Cashier, A-16 (Bursar's Office)
MTST Operator, A-13 (Business & Public Admin.)
Administrative Aide I, A-18 (President's Office)
Administrative Aide I, NP-11 (Cooperative Ext. (4-H Office))
Administrative Assistant, A-24 (VP for Campus Affairs)
Senior Auditor (Auditor's Office)
Assistant Counsel (University Counsel)
Assistant Librarian (Library)
Assistant Editor (University Press)
Science Writer (Public Information)
Extension Specialist (Recruitment) (Cooperative Extension Admin.)
Extension Specialist (Cooperative Extension (Albion))
Extension Specialist (Cooperative Extension (Highland))
Extension Associate (Human Dev. & Family Studies)
Area Manager (Dining Services)
Executive Director (CUDR)
Assistant Dean (Graduate School)
Associate Registrar (Registrar's Office)
Asst. Athletic Trainer (Physical Education & Athletics)
Lab Technician I, NP-8 (Genetics, Dev. & Physiology)
Technical Aide, A-17 (Lab of Plasma Studies)
Animal Technician, NP-8 (Vet College)
Clinic Assistant I, NP-8 (2) (LAMOS)
Research Associate (Lab of Nuclear Studies)
Research Technician III, NP-12 (Vet College)
Extension Specialist (Plant Pathology)
Electrical Engineer, A-28 (B & P)
Mechanical Engineer, A-28 (B & P)
Chemical Analyst III, NP-17 (Vet College)
Synchrotron Operator (Lab. of Nuclear Studies)
Boiler Operator, A-18 (B & P)
Multilith Machine Operator, A-13 (Graphic Arts)
Multilith Operator, A-15 (Graphic Arts)
Experienced Machinist, A-19 (Lab of Nuclear Studies)
Synchrotron Technician, A-17 (Lab of Nuclear Studies)
Milk Plant Operator II, NP-8 (Food Science)
Catering Asst., A-13 (Dining)
Dining Supervisor, A-18 (Dining Services)
Cook I, A-15 (Chi Phi)
Short Order Cook I, A-14 (Dining Services)
Programmer, A-19 (CRSR)
Custodian, A-13 (University Unions)
Custodian, A-13 (Student Housing)
Custodian, A-13 (B & P)
Chilled Water Plant Operator, A-20 (B & P)
Dev. Technician, A-21 (Nuclear Studies)
Assistant Foreman, A-22 (1) (Buildings & Properties)
Technical Associate, NP-16 (Agricultural Engr.)
Building Guard, NP-7 (Safety Division)

These are all permanent full-time positions unless otherwise specified.

PART-TIME AND TEMPORARY POSITIONS

(All Temporary and Part-time positions are also listed with Student Employment)

Temp. Service - Clerical (Admission Records (temp. f/t))
Temp. Service - Clerical (Vet School (temp. p/t))
Temp. Service - Clerical (CUDR (temp. p/t))
Research Aide (CUDR (temp. p/t))

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Sage Notes

Graduate students are reminded that permission must be obtained from the Graduate School for supplementation of fellowships or assistantships. Check with the Fellowship Office (116 Sage Graduate Center) if you have questions.

Nov. 1 is the next deadline for submission of requests for travel support from the Student Travel Funding Commission. Awards up to \$300 may be given to help cover costs of travel and lodging for participation in professional meetings. Details and application forms can be obtained from the Dean of Students Office, Willard Straight Hall.

Nov. 8 is the deadline for graduate students to file change of course forms. These register a change from credit to audit and a drop of a course. The forms must have the signatures of instructors of relevant courses and Chairman of Student's Special Committee.

Now is the time for graduate students to start thinking about applying for outside fellowships, particularly if support is tight in your field. The Career Center has a file of various fellowships that are available, and that file should be consulted to see which fellowships apply to your case.

Ford Foundation has announced plans for three of its graduate fellowship programs: Graduate Fellowships for Mexican Americans, Graduate Fellowships for Native Americans, Graduate Fellowships for Puerto Ricans. Additional information can be obtained from Educational Testing Service, Box 2822, Princeton, N.J. 08540. Information on Graduate Fellowships for Black Americans can be obtained from: National Fellowships Fund, Suite 484, 795 Peachtree St., N.E., Atlanta, Ga. 30308.

Homecoming Is Upon Us

Alumni who attend Homecoming this weekend will, hopefully, have a chance to observe the Big Red "plunging down to the goal" (in the words of a traditional Cornell song) when Cornell takes on the Yale Bulldogs at 1:30 p.m. Saturday on Schoellkopf Field.

Homecoming events planned for Friday include a series of tours and exhibits, and football games between the Cornell freshman team and Milford Academy, and the Big Red 150-pound team and Navy. Friday evening entertainment options include folksongs with Michael Cooney in the Memorial Room of Willard Straight Hall and the Cornell University Theatre production of "No Place to Be Somebody" by Charles Gordone.

Saturday morning's activities begin at 10 a.m. with a varsity soccer match between the Big



Red and Yale. Beginning at 11 a.m., alumni may "drink a good rousing health to Cornell" at the informal Statler "Sour Hour," followed at 11:30 by the traditional All-alumni Luncheon

in Barton Hall.

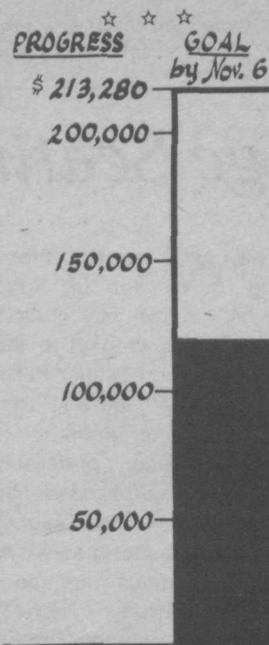
Some 1,200 alumni are expected to attend the luncheon, where they will be entertained with Dixieland Jazz and a concert by the Cornell Glee Club.

After the Cornell-Yale varsity football game ("Oh, the victory is sealed when the team takes the field"), alumni may partake of refreshments, entertainment, and music at the Homecoming Alumni Class Receptions in the Statler.

"When the sun fades far away in the crimson of the west" Saturday evening, alumni may attend parties at their fraternities and sororities, or they may attend one of two concerts — the Cornell Glee Club at Sage Chapel, with works of Brahms, Janacek, Bruckner and traditional Cornell songs, or Taj Mahal and Minnie Ripperton in concert at Bailey Hall.

Throughout Homecoming weekend, alumni will be greeted by Homecoming Student Hosts, a group of more than 50 men and women undergraduates who volunteer their time.

Cornell University United Way Campaign



The Cornell University United Way Campaign has received another \$40,000, bringing the fund to \$115,000, 54 per cent of the goal. Robert W. Spalding, chairman of the Cornell campaign, urges everyone to turn in his pledge card and make this a successful campaign.

Enrollment Below 1974 Expectations

Final fall 1974 enrollment figures for the University show that projected enrollments in six out of 11 colleges were short of expectations, according to R. Peter Jackson, director of student records and finance.

Projected enrollment for the fall 1974 term was 16,300. Actual enrollment is 16,208, or 92 students short of the projection, which is a .5 per cent error. Jackson added that 1974 enrollment is 80 students above 1973 enrollment.

All of the endowed colleges,

with the exception of the College of Architecture, Art and Planning, enrolled fewer students than they had projected, he said. The College of Architecture met its projected figure exactly.

All of the statutory units enrolled more students than they had projected.

Figures for each college, showing the number of students enrolled above or below projected figures, are as follows: Architecture, 0; Arts, -31; Engineering, -56; Hotel, -16; Business, -9; Law, -10; Graduate, -53; Agriculture, +28; Human Ecology, +35; ILR, +14; Veterinary, +5; Unclassified, +1.

Jackson pointed out that new student enrollment in the undergraduate division was exactly equal to projections and that the deficit in the number of students attending this fall is probably due to continuing students failing to return.

The Engineering School admitted a smaller freshman class than anticipated this fall but made up most of the difference by admitting transfer students, Jackson said. The Hotel School enrolled more students in graduate programs this fall, thereby matriculating fewer undergraduates than originally planned. Jackson further noted that of the 92 students short of projections, 67 were from the professional schools and the Graduate School.

What is the financial implication of the "enrollment deficit?" According to Samuel A. Lawrence, Vice President for Administration, the loss of 92 students represents a loss in tuition paid to Cornell of about \$334,000. This \$334,000 loss is one of the components of the \$1.8 million gap in the University budget for the current fiscal year.

Title IX: Wrong Order

Some of the material contained in the Cornell University response to the Department of Health, Education and Welfare (HEW) regarding Title IX of the Education Amendments Act of 1972, as carried in the Chronicle last week, was out of order.

The first part, the letter from President Corson to HEW, was in proper order, but the part that followed that, marked "Introduction," was not the introduction to the University-wide response, but was instead the introduction to a separate response prepared by the University Senate, and appended to the University response, with the headline, "Comments, Questions and Suggestions Concerning Campus Life Affairs."

The general University comments should have preceded this Senate introduction instead of following it.



'Music of the Spheres' *

The Portland Symphony String Quartet will present works of Piston, Husa, and Bloch in the first concert of the 7th annual Festival of Contemporary Music at 4 p.m. Sunday, Oct. 27 in Barnes Hall. The concert is free and open to the public. Members of the quartet are Ronald Lantz and Stephen Kecskemethy, violin, Julia Moseley, viola, and Paul Ross, violoncello.

*Shakespeare, "Twelfth-Night"

Cornell Clubs' Annual Meeting This Weekend

Delegates from Cornell Clubs throughout the country will participate in round-table discussions on topics ranging from Cornell admissions to NCAA guidelines on athletic recruitment during the Federation of Cornell Clubs' annual meeting to be held on campus during the Oct. 25-26 Homecoming Weekend.

In addition to the discussion sessions, delegates will have lunch with Provost David C. Knapp, attend the Cornell-Yale football game, and reminisce to the tune of Cornell Songs, presented by the Cornell University Glee Club.

CORNELL CHRONICLE

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New Prize Announced

The Flora Rose Prize Fund has been endowed by an anonymous donor to honor Professor Flora Rose. Approximately \$125, it is to be awarded annually to the upper-class student at Cornell who, in the opinion of the Dean of the New York College of Human Ecology or the Dean's delegate, shall demonstrate the greatest promise for contributing to the growth and self-fulfillment of future generations.

For more information contact Robert Northrop, N104, Martha Van Rensselaer Hall before Nov. 1.

British Historian To Give Lecture

British historian Valerie Pearl will discuss the topic "Religion and Social Change in Seventeenth Century London" during a public lecture scheduled for 4:30 p.m. Friday, Oct. 25 in Room 110, Ives Hall.

Pearl, who is Reader in London History at University College, London, and director of the Royal Historical Society, is currently a visiting professor of history at Bryn Mawr College in Bryn Mawr, Pa. and is coming to Cornell under the sponsorship of the Committee on University Lectures.

In addition to numerous articles on politics during the English Civil War and on the role of London in that conflict, Pearl is the author of the book "London and the Outbreak of the Puritan Revolution." (Oxford University Press, 1961).

She earned her master's and doctorate degrees at Oxford.

Chronicle Comment

Chronicle Comment is a forum of opinion for the Cornell community. Comment may be addressed to Liz Helmer, managing editor, Chronicle, 110 Day Hall.

Sage Seating Change Protested

Editor:

And, having at last torn those offending pews out of Sage Chapel, let us turn our muscle (and somebody's money) to the seats in Bailey and Statler halls. Today everyone knows that music sounds better when one is sitting on the floor, preferably shoeless and surrounded by stacks of coats and bulging backpacks. And as long as we're restructuring things (religion, schools, theatres, homes, families, people), why not rip the stands out of Schoellkopf — what's wrong, after all, with

football-in-the-round and ragtag clumps of turf-level spectators craning for a view?

Down with preposterous shape and formality (let 'em go the way of manners and common courtesy), and tosh to aesthetics too. Who cares about acoustics and whether or not a century of history and tradition have made Cornell a special place to tens of thousands of men and women (anonymous unstructured persons all?).

Let those who decry tuition rises and a nickel more for a hamburger go out and raise the

cost of the chairs (chairpersons all, legitimate at last,) for their own greater comfort and flexibility but, in the doing, let them leave those of us who prefer Sage as it is — hard-nosed and four-square but a strange and fascinating glory all the same — alone with our cold discomfort.

At Christmastime especially, we like our choirsingers awake, pregrouned, and singing hosannas in a setting that befits the music.

*John Gaffney
University Editor*

'Big Ballots Are Waste of Paper'

Editor:

"...A handsome ballot to deposit in our new security ballot box. It's free of charge when you decide to invest in your future."

(Ad in The Cornell Sun)

Last week in the Arts College Educational Policy Committee Election, "Free" bright yellow (8"x11") ballots were used. All one needed to do was to circle the number of the candidate of your choice.

In view of the current paper shortage and financial squeeze at Cornell University, why was so much paper wasted in this manner? Small 2"x3" sheets of plain white paper would have easily sufficed as ballots. While

educators struggle to balance budgets and paper is rapidly becoming a scarce resource, there can be no excuse for this unnecessary wastage.

So, Arts Students, I hope you enjoyed your "handsome ballots" and "invested in your

future" wisely.

*Paul Rubin
Arts & Sciences '76*

P.S. When queried on this matter, the Arts College administrator in charge of the election refused to give comment to this writer.

'College Women, Not Girls'

Editor:

Referring to women's cattle judging team as "all-girl" is grossly condescending. If you won't acknowledge their adulthood and call them women, then at least "all-female" is an improvement.

An all-male team would certainly not be called "all-boy."

Please be more careful in your choice of words.

*Theresa Giandomenico
Engineering '77*

Street-Crossing Course Advised

Editor:

This is a reply to Paul Rubin's LETTER (Lower Speed Limits Asked, Oct. 10). I would suggest that the solution to potential pedestrian-automobile collisions is not to lower campus speed limits. Instead, every new Cornell student should be required to successfully complete a course called "How to cross streets

safely." Suitable lessons would include "Look both ways before you cross" and "Red lights mean stop, green lights mean go." Cornell students seem to think that all traffic will come to a stop as soon as a pedestrian blunders into the street. As someone who drives on this campus every day, I cannot begin to count the number of times a pedestrian

has walked directly in front of my car (which does obey the speed limits, by the way.) I think that other motorists will join me in requesting that pedestrians begin to exhibit a little more common sense in their street-crossing practices.

*Carol Wernecke
Human Ecology '75*

Salary System Elaborated

Due to inquiries about the University's proposed salary classification system for exempt employes and its possible implementation in the statutory colleges, Arthur H. Peterson, University treasurer and chief fiscal officer has issued some clarifications and expansions on the original story in the Chronicle last week.

The State University of New York (SUNY) and its Division of the Budget, to whom the proposed statutory salary classification system was submitted, have not made any decision on the plan, nor will the decision be made on Monday,

Oct. 28, when SUNY representatives are on campus for discussions.

Peterson said the system, if approved by SUNY, probably could not be implemented prior to April 1, 1975, the beginning of the state's fiscal year. It is unlikely the state would make provision for retroactive salary adjustments, he said.

He stated that even if the salary classification system is approved, state appropriations probably will not be increased and any salary adjustments will have to be made from whatever appropriations are available to the statutory colleges.

Current exempt employes in the statutory colleges who will be affected by the proposed classification system will have the option of remaining in their NP (non-professional) grade if the new system is implemented. New employes will not have this option.



Job Opportunities

Continued from Page 2

Research Aide (Geological Sciences (temp. p/t))
Typist, A-13 (Theoretical & Applied Mech. (temp. p/t))
Department Secretary, A-13 (Psychology (temp. f/t))
Steno, A-11 (Univ. Health Services (perm. p/t))
Steno II, NP-6 (Rural Sociology (temp. p/t))
Mail Room Clerk, A-11 (University Unions (perm. p/t))
Research Spec., A-22 (Ecology & Systematics (temp. p/t))
Research Spec. (Agricultural Economics (temp. f/t))
Research Spec. (Rural Sociology (temp. p/t))
Technical Associate (Applied & Engr. Physics (temp. f/t))
Research Associate (Education)

CU Senate Urges Open Meetings

Recommendatory legislation urging that "all meetings of the Faculty and the Faculty Council of Representatives and their committees be publicized and open" was passed by unanimous consent at the University Senate meeting Tuesday night.

The rationale behind the legislation is that "the desirable goals of improved community understanding and communication" are best served if all interested members of the Cornell community are allowed to attend any meetings dealing with subjects of interest and importance to the entire community.

The Senate also unanimously approved legislation declaring the period from Oct. 25 to Nov. 25 as "World Food and Hunger Month at Cornell."

This resolution "calls upon all members of the Cornell Community ... to devote their efforts to studying and working to eliminate hunger, malnutrition and starvation in the world." The bill also encourages the Department of Dining to work with interested persons in developing dining alternatives through which money saved could be sent to starving nations as relief.

After lengthy debate, the Senate voted narrowly to recommit to the Codes and Judiciary committee a bill establishing standards of procedural due-process as part of the Statement of Student Rights. Debate centered around questions as to whether or not the Senate held jurisdiction in the matter of establishing University-wide due-process procedures for students and whether such legislation would be most effective if presented to departments as binding or as recommendatory.

The chair ruled that the Senate does have the power to enact University-wide due-process procedures for the Statement of Student Rights.

The Senate heard a progress report from members of the Budget Review Group of the Committee on Campus Life on the review of the Campus Life Budget presently underway.

Geoffrey V. Chester, chairperson of the Campus Life Committee and professor of physics, reported to the Senate that no money for new programs would be coming into the Campus Life Budget from the administration this year, and that any new programs initiated in Campus Life would have to be funded independently.

The Budget Review Group proposed to the Senate that a small pool of money be trimmed from old programs and set aside for possible use in new programs. The Senate will pass the Campus Life Budget in December, as planned, and not take up the issue of new program funding until the second term.

New and established programs will be considered together in the second term, and any established program deemed by the Senate to be more important than a new program will be able to recover part or all of the funds it might have lost to the new program pool.

Charles Harris, also of the Budget Review Group, discussed some of the most important issues in this year's Campus Life Budget. Among the issues presented were the problem of keeping price increases in the enterprise units (Campus Store, Housing and Dining) to a minimum, whether Campus Bus service should be limited or additional funds appropriated to meet rising costs of bus service, and whether or not some 1,200 free campus parking stickers should continue to be given to New York State and Buildings and Properties vehicles.

Harris also noted that very few senators have participated in the budget review procedures to date and urged greater Senate participation.

During the question period at the beginning of the Senate meeting, Vice President William Gurowitz was asked to elaborate on the dismissal last week of the administrator of the Senate Secretariat, Kay Hanna. Gurowitz said that Hanna's dismissal was the result of "personnel matters," that all correct procedures were followed.

Continued on Page 5

Computer Does High-Speed Chemical Analysis

A relatively new and extremely sensitive analytical tool in the Chemistry department can

perform complicated analyses of complex materials — tasks that might take weeks by traditional

"wet chemistry" techniques — in a matter of minutes.

The Cornell High Resolution Mass Spectrometry Facility in the Olin Chemistry Laboratory can produce clear "fingerprints" of every compound in any sample. The facility is a service function associated with research activities headed by Fred W. McLafferty, professor of chemistry. McLafferty's internationally recognized work in the field of mass spectrometry has produced a computerized reference library which can describe and classify even those compounds never previously identified.

Jack Henion, senior research associate and director of the facility, said that few Cornell scientists outside the chemistry department have used the service, which has been available free of charge to all researchers who are supported by the National Institutes of Health (NIH).

NIH has provided more than \$500,000 for the facility since 1967. Henion explained, on the grounds that Cornell perform certain activities: 1) offer the mass spectrometer as a tool to any researcher anywhere; 2) assure collaboration of the facility staff with researchers; 3)

perform innovative core research to discover new mass spectrometry techniques and applications, and 4) train graduate students and other scientists in these techniques. Cornell's facility is of nine such centers started by the NIH. The funds are from the Division of Research Resources, subdivision of Biotechnology.

The NIH support, which was provided for a seven-year period to initiate the facility and help it attain self-sufficiency, runs out on Nov. 30. After that time, Henion said, the facility will charge a modest fee for running samples. How modest is modest? An industrial organization charges outsiders \$1,000 or more to analyze and interpret 10 samples. Cornell will do the same work for \$150.

The instrumentation at the facility is sensitive to 10-12 gram, a quantity too small to be understood, perhaps, except with the help of an example:

The chemistry and entomology departments at Cornell are collaborating in a study of sex attractants in insects. Graduate students may spend months — even years — collecting the thousands of insects needed to isolate enough material for analysis by older

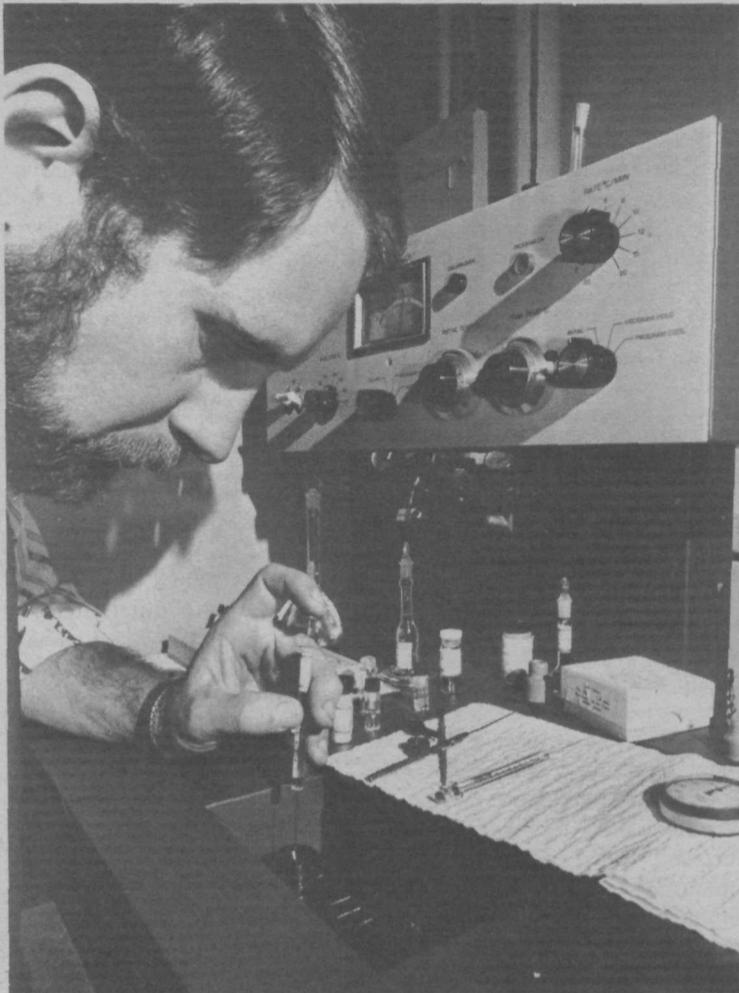
chemical techniques so that synthetic copies of these sex attractants can be produced. The high resolution facility can perform the same analysis on a single insect in a few hours.

"We want to do more work in the biological and medical fields," Henion said. "One of the new areas open to medical researchers now, thanks to this type of facility, is the use of stable isotopes like carbon-13 for labeling human tissues. Almost no work has been done yet in this area."

Mass spectrometry, Henion added, is one of the most useful analytical tools in detecting the organic chemicals, such as chlorinated hydrocarbons, which contaminate the environment and are sometimes linked to disease.

Samples for analysis by the facility staff, Henion said, may be handled in extremely small quantities and need not be isolated. When injected into the gas chromatograph, the complex mixture is separated into its component parts. The mass spectrometer then looks at these compounds and records data uniquely characteristic of each component.

The data, like fingerprints, can



Jack Henion injects a sample into the Mass Spectrometer.

Preregistration: Combination

Continued from Page 1

courses, it is important that a student enter his social security

Senate

Continued from Page 4

Ben Nichols, chairperson of the Senate Executive Committee and professor of electrical engineering, announced that the Executive Committee is considering ways of reorganizing the secretariat and other aspects of Senate administration.

The Senate also enacted legislation approving several nominations to Senate committees and University boards, and approved a bill increasing representation on the parking and traffic subcommittees to nine members.

Speaker Robert S. Harrison announced the names of the 10 freshmen elected to Senate seats (see Senate page).

Senator Rose K. Goldsen presented a report on the WHCU Advisory Committee to the Senate, underlining her concern that radio station WHCU take a more active part in community service and educational programming, rather than being merely a "commercial operation" to produce revenue for the University.

The meeting was adjourned before all items on the agenda had been discussed and before time had elapsed as the result of a call for quorum. The number of senators in attendance fell three short of the number required for quorum.

number correctly for purposes of identification, and it is also important that course reference numbers be correctly entered, to insure that students get the courses they want.

Under the new system, the first course that a student lists on his proposed spring schedule will be the first course that the computer tries to schedule him into, according to Byron McCalmon, University Registrar. Thus, students should list all courses in order of preference.

To help insure that the schedule comes out the way the student wants, it to come out, students will have the option of listing alternate courses for each preferred course, on a one-to-one basis.

The new system, based on a student "programming" himself into the courses of his choice, means that it is "up to the students to get themselves into the courses they want correctly," McCalmon said. He points out that, under the new system, it will be to a student's advantage to preregister, because students who preregister will be given first access to courses at the "add-drop" period beginning the spring term.

The old hand-filing method will also be used during this preregistration period, as a back-up system. Scheduling students under the old method takes about six weeks, McCalmon said. The new computerized course registration system will be able to establish student schedules in a few days.

Knapp Explains Alternatives

Continued from Page 1

also spoke yesterday afternoon to the faculty of the College of Arts and Sciences. Here is a portion of his remarks:

"I'd like to comment on University budget planning particularly in light of today's Cornell Daily Sun article which, I understand, has given rise to considerable concern within the Arts College faculty.

"First, let me make clear that we are still in a preliminary stage of budget planning, with guidelines for the 1975-76 budget to be made available to the Deans and other administrators next week.

"Second, you should know that in the process of developing these guidelines, Vice President Lawrence and I have met with a number of groups to seek assessments of the various alternatives we face during a period of clear financial and economic stress. Among our discussions have been three meetings with a sub-committee of the Dean's Council which has included three endowed college Deans, one statutory college Dean, and the Librarian-elect. We have met twice with a group of faculty appointed by the Executive Committee of the Faculty Council of Representatives and the Dean of the Faculty, and finally, we have met with the Senate Planning Review Committee for discussions of the fiscal situation.

"We have not yet met any of

our original deadlines for the 1975-76 budget guidelines, in part because we have felt the need for these kinds of discussions.

"In the final analysis, however, after weighing the perspectives of faculty, students and other members of the Cornell community the ultimate responsibility for the budget — for balancing out inflationary pressures, a volatile income situation from gifts and capital funds, tuition increases, faculty salary increases, and staffing — rests with the Board of Trustees upon the recommendation of the University's administrative officers.

"My third point is that none of the choices which exist under present circumstances is very pleasant. (a) Tuition, as a major source of support for the University must rise — by an amount yet to be determined. (b) Salaries must rise, but probably at a rate less than that of national inflation. (c) The Capital Fund will need to be invaded next year to meet the increased costs of University operation. (d) The physical plant must be maintained, but we will be unable to do so at levels which will prevent serious deterioration, over time, of classroom and other buildings. (e) We will need to re-trench staffing in 1975-76. It would be foolhardy to assume that we can pursue precisely the same way of life which we have had in the past at a time when ever-increasing inflation and

reduced income are upon us. We do not intend a blanket limitation on hiring but rather are attempting to develop means by which reduced funds for faculty and non-academic staff can be allocated wisely by Deans in terms of the educational needs within each of the colleges and schools. By next Tuesday I expect each Dean will know the dimensions of the problem which faces his unit.

"It is clear that the actual situation we face in 1975-76 is a relatively small change in our general program. I would hope that each department and college and school would assess and adjust to the impact so that we may maintain the quality of education at Cornell in both new and old ways. I think that with grit, with determination, and by making hard choices, we can maintain that quality.

"Beyond this coming fiscal year, I think it's fair to conclude that if economic conditions do not change soon, more substantial adjustments will be required. Stanford University has just announced a \$10-million three-year, expenditure reduction program. Other private universities are facing similar, if not as drastic, situations. I anticipate that we at Cornell will need to find mechanisms for assessing our own long-range alternatives on at least a contingency basis during this academic year, so we can plan for academic strength and development in the years ahead."

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CIVITAS Has Various Needs For Volunteers



The Tompkins-Seneca-Tioga Board of Cooperative Educational Services (BOCES) is an educational agency which serves a cluster of local school districts within the immediate geographical area. Special Education is one of the many services offered to the districts by the BOCES.

The Special Education Department provides a unique educational experience for the special child. Children who are mentally retarded, multiply handicapped, emotionally disturbed, are given individualized instruction in small classes by teachers trained in Special Education, with a variety of ancillary personnel helping to promote the necessary learning environment for the child. While some classes are housed in the BOCES center on Warren Road, other classes meet in many of the schools throughout the district.

Volunteers are used in all classes to work with individuals and small groups in both academic and non-academic subject areas.

Below are some current requests for volunteers. Please respond to any of them, or get more information, by calling CIVITAS, 256-7513, Monday through Friday, 11 a.m. to 4 p.m.; or the Voluntary Action Center, 272-9411, Monday through Saturday, 9 a.m. to 1 p.m.

YMCA needs volunteer swimming instructors for Tiny Tots (ages 3 1/2-5) classes 9:30-11 a.m. and 12:30-1:30 p.m., and Water Babies (ages 1 1/2-3) class 11-11:30 a.m., Mondays and Wednesdays.

Central School needs a volunteer to help third grade teacher work individually with children in math and reading. Thursday or Friday, between 1:30 and 3 p.m.

Voluntary Action Center needs a volunteer receptionist-typist, Fridays from 9 a.m. to 1 p.m.

Greater Ithaca Activities Center needs volunteers to help supervise games for elementary-age children on Wednesdays from 2-3 p.m., help run mini-workshops for elementary-age children to make small Christmas presents, instruct teens in Macrame, 7-9 p.m., any evening.

Boynton Junior High needs 2 volunteers to tutor 7th grade math, from 2:30 to 3:20, any school day.

Red Cross Blood Bank needs volunteers to assist: nurses (R.N. or L.P.N.), nurse assistants, receptionists, Pak-Table workers, canteen staff. Blood banks are usually twice monthly for approximately 5 1/2 hours each. Volunteer training will be given in November for new volunteers.

Belle Sherman School needs tutors for children with learning problems in 5th and 6th grades. Any time during school day.

Oak Hill Manor needs volunteers to push shopping cart through building Wednesdays for 1 to 2 hours, assist cooking group Wednesday afternoons, assist in crafts Monday and Friday mornings, assist bowling group Thursday mornings, visit individuals or provide group entertainment any day at any time.

Fall Creek School needs volunteers to tutor individual students in elementary math or reading, any time during school day.

Budget Nuances Clarified

Continued from Page 2

guidelines had a one-time effect in 1973-74. The new accounting guidelines, however, do emphasize reporting changes in the status of our capital funds as well as reporting current income and expense.

Q: You've talked about the Capital Fund and the Endowment. What is the difference between them?

A: The Endowment Fund is composed of funds which must by law be retained in perpetuity and can pay out only dividends and interest. All capital gains must be reinvested. Thus, while

the market value of the Endowment Fund dropped \$22.2 million during the year ending June 30, 1974, and has continued to slide, this has no effect on operating revenues. In fact, there may be this year a small increase in endowment income, although this increase will not be sufficient to keep our endowment income growing as fast as our costs.

The Capital Fund is composed of funds which could legally be liquidated, but often only for specified purposes. The Fund is managed for "total return," including increases in market value. This should not be considered speculative or "risky" investing, but is based on the assumption that more can be gained in this way than from investing solely for income. Despite recent stock market performance, the Capital Fund's objective remains growth and capital gain. As Vice President Horn's year-end report put it, "Whether this represents an exercise of patience or stubbornness depends on the ultimate result. If growth stocks come back, the correct descriptive term is patience; if they go down further it clearly becomes stubbornness."

Q: Explain the "total return" policy. Am I correct in understanding that it has recently been revised?

A: Typically, industrial firms reinvest a substantial portion of their earnings in new plant in hopes of increasing future earnings and the future value of their common stock. Historically, the "total return," including both the income and capital gain, enjoyed by the stockholders in the so-called growth companies has been more favorable than the return to those investing solely for current income. In 1968 Cornell's trustees transferred a portion of the University's invested funds to a new Capital Fund and instructed that this fund should be invested so as to maximize "total return," including both income and gains. At the same time, they approved a formula to permit the University to use a portion of the Fund's realized and anticipated gains in operations.

The formula has been revised several times. At the most recent meeting of the Board, action was taken to reduce the planned distribution to an amount equalling 7.35 per cent of the average market value of the

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Student Hit; Car Runs Stop

John Griffenhagen, 18, a sophomore in the College of Engineering, sustained a possible fractured back Tuesday morning when he was struck by a car on West Ave. at the intersection of Campus Rd.

Ithaca City Police said the car, heading south on West Ave., was driven by Richard H. Wilson, 21, of 1190 East Shore Drive. Griffenhagen is a patient at Tompkins County Hospital, which lists his condition as satisfactory.

Red China Visit Reaps Openness

Continued from Page 1

dominating the rice production. The Chinese have independently developed their own "miracle rice" varieties in recent years.

Other crops such as corn, sorghum, millet and soybeans also looked good and were widely grown. Munger said that he was least enthusiastic about the vegetables.

Pointing to the lack of uniform maturity, a factor important for rapid succession of crop production in China, Munger said that there is much room for improvement in the area of vegetable breeding.

Vegetables in the Chinese diet are most important, next to cereals, he said. He was told that vegetables are more important than meat, which is expensive, and this was verified by observing that people had many vegetables and only a little meat in their shopping baskets at the markets visited. All vegetables are eaten fresh.

"The biggest question mark our group had was whether they can continue to increase the food production to keep up with the ever increasing population," Munger said.

The population in China is said to be growing at an annual rate of slightly over 2 per cent. This means 18 million new mouths will have to be fed each year.

"To provide food for that many more people is going to be a real feat," he said.

China is only slightly larger than continental United States in

total land area with about the same amount of cultivated land for agriculture, but just about every inch of arable land is in use with little room for expansion.

Citing several factors that could hamper increased food production, the Cornell scientist pointed out that agricultural colleges are being separated from universities, to be relocated in rural areas. College training programs have been shortened to two or three years and appear inadequate by U.S. standards.

Substantial numbers of agricultural scientists have been sent to communes to work in the field. As a result many research laboratories including one in Peking appeared to be understaffed.

Munger said that he felt Chinese research workers in general are behind the rest of the world in recent scientific developments.

In one province, Munger was told that vegetable research was being conducted in 320 production brigades with a total of 5,000 "peasant technicians" working with vegetable specialists in the communes. A commune usually consists of 25,000 to 50,000 people organized into 10 to 20 production brigades.

"That's a lot of technicians," Munger said. But he questioned the ability of those peasant technicians to master some of the technology required for future crop improvements.

Cabbage hybrids, for example, which have been successfully

developed in Japan and the United States, involve advanced scientific knowledge, Munger said.

"Working with self-incompatibility (in producing cabbage hybrids) is a pretty tricky, sophisticated business. It is questionable whether it and other modern methods of variety development can be handled under the present system."

Another example is the lack of controlled testing for disease resistance, something which is urgently needed in many crops, Munger pointed out.

The Chinese indicated that the country is currently experimenting on the organization of agricultural research and invited suggestions. As a result, the U.S. delegation strongly recommended a few research centers be established in China to conduct inter-disciplinary research with a more basic approach to crop improvement than seems possible under the present highly decentralized system.

The visit resulted in the establishment of contacts with the Chinese, which should lead to future exchanges of scientists and of crop germ plasm.

"By the end of our visit, we felt there was the friendliest atmosphere you can imagine between scientists of the two countries," Munger said. "Everybody was saying that we must keep up the contacts we had made and get more scientists involved in the future."

Career Center Calendar

The following interviews will be held at the Career Center in the next two weeks. Sign up now.

Oct. 25: Dartmouth (Amos Tuck School of Business)

Harvard Law School

Oct. 28-31: ACTION (Peace Corps/VISTA)

Oct. 31: Boston University (Business)

Nov. 4: Columbia University (Business)

The following deadlines are coming up fast. Get details at the Career Center:

Oct. 26: Veterinary Aptitude Test application deadline. The test is on Nov. 9.

Oct. 28: (PACE) Professional and Career Examinations application deadline. The test itself will be administered Nov. 23.

Oct. 29: (TOEFL) Test of English as a Foreign Language application deadline. The test itself is on Nov. 25.

Oct. 31: (FSO) Foreign Service Officer Examinations application deadline. The test itself is on Dec. 7.

Nov. 1: Social Science Research Council Fellowship application deadline.

Newspaper Fund Internship application deadline.

The National Security Agency has announced that the Professional Qualification Test (PQT) will be administered on Nov. 23. Applicants for this test should be United States citizens and holders of at least a bachelor's degree by February, 1976. Interested students should complete the registration form which is available at the Career Center. The application deadline is Nov. 15.



Teacher at Work ...

Ben Bluit: 'Confidence, Involvement and Details'

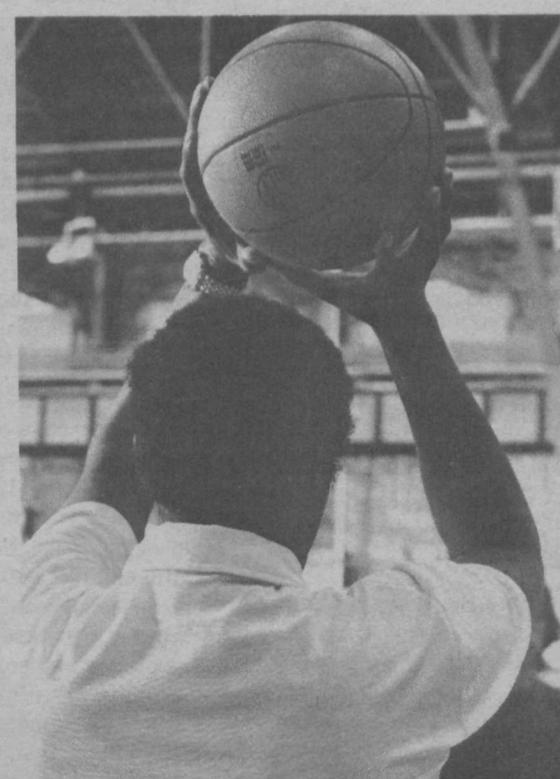
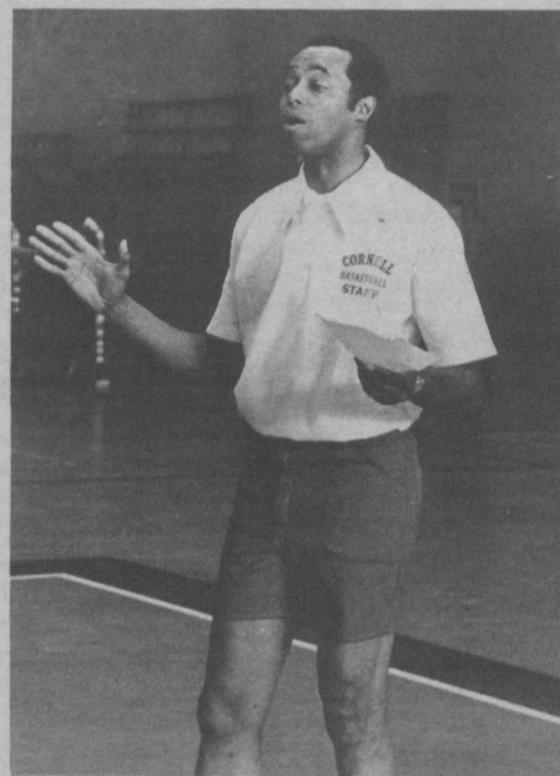
Last week's Chronicle reported that basketball practice would begin Oct. 22 and quoted Coach Ben Bluit as saying: "I would hope that all students interested in basketball would be on hand for our opening practice in Barton Hall." This is to report that some 45 varsity and freshman candidates were on hand and to offer some observations from a non-student, non-fan who went to take pictures and enjoyed watching a competent coach begin molding a team.

Bluit radiates confidence. He uses straight, level talk, talk that is filled with pointers on how, where and why. His talk is a steady run of how to land on the feet, how to attack, how to shift. He demonstrates, he gestures, he corrects. There is no feeling of being talked down to, no derogation. He feels at home with a basketball in his hands; his movements are graceful and right. He calls attention to details, details — and he makes sense to his listeners.

Some of the men seem raw, but they watch and listen and they try what Bluit is teaching. Somehow, even a basketball non-fan gets the feeling that win or lose, Cornell is in the right hands.

Why? Because Bluit is interested in more than just final scores. When he was hired last April he commented, "Basketball exists to help young men become better human beings ... What I would like to see is (all) students enjoying the ball game, learning the lessons of sportsmanship ... You can teach so much better when you're winning ... But no one's manhood is going to revolve around their ability to make free throws or play basketball. If a person is on the second team here or the third team, he can be just as successful in life as the guy who scores the most points."

Photos and text by Russ Hamilton



Homecoming Game with Yale

Big Red Has High Hopes

It's hard to believe after seeing two possible victories fade into a tie and a loss, but the Cornell football team goes into Saturday's Homecoming game against undefeated Yale with hopes as high as ever.

"I'm really pleased and proud at the way the team has come back after the games with Penn and Harvard," Cornell Coach Jack Musick said. "This is a relatively young team and they haven't lost confidence in themselves. As a matter of fact, confidence seems to be growing. They'll be ready for the Bulldogs."

The Big Red (2-1-1) had better be ready for Yale when the opening whistle blows at 1:30 p.m. at Schoellkopf. The Elis have won four games handily, are tied for the Ivy League lead, and top the nation in defense against scoring.

Cornell's scoring average of 29.7 points per game has kept the Big Red among the nation's leaders in that department. Unfortunately, the player responsible for 60 of Cornell's 119 points this season, Don Fanelli, will be out of action against Yale.

The 6-2, 210-pound junior was leading the nation in scoring when he suffered a knee injury early in the fourth quarter against Harvard. He was also among the top rushers in the nation, averaging 114 yards per game. Fanelli will be out indefinitely.

Two other key members of Cornell's offensive cast, however, will be ready for Yale. Quarterback Kevin Sigler, a national leader with 53 completions in 87 attempts for 691 yards and three touchdowns, will be throwing to split end Bruce Starks again this week.

Starks, a 6-0, 180-pound junior, caught 11 passes against Harvard, a Cornell record. The previous mark was 10, shared by Bill Murphy against Harvard in 1967 and George Milosevic against Penn in 1972. With 23 receptions in four games, Starks ranks high nationally.

One reason the Bulldogs are sporting a 4-0 record is the fact that they haven't hurt themselves with turnovers. In four games they've been guilty of only two lost fumbles and two interceptions.

Interceptions and fumbles proved costly to Cornell against Harvard. Within five minutes in the third quarter, Harvard converted two interceptions and a fumble into three touchdowns and Cornell, which led 21-10 at half time, found itself in a 32-21 hole.

But the Big Red didn't give up and came right back for a touchdown by Fanelli. Harvard scored moments later for the final 39-27 score, but Cornell mounted three more threats in



Bruce Starks

the fourth quarter.

"Harvard's gambling defense caused us to make some mistakes which were due more to inexperience than anything

else," Musick said. "These players, however, are learning all the time and will be ready for Yale."

Women's Gym Gets Three Instructors

Martha Arnett, director of women's physical education and athletics at Cornell, has appointed three new instructors to her staff this year — Gretchen Dowsing, Andrea Dutcher and Denise Horgan.

Dowsing will coach the first year of the women's gymnastic team. Dutcher is the varsity volleyball coach, and Horgan is the assistant field hockey coach and also teaches beginning tennis classes.

Dowsing comes to Cornell from the California State University at Long Beach, where she was an assistant professor for the past five years. At Long Beach, she taught physical education majors and coached the gymnastics team for three and one half years.

Dowsing received her master's degree in physical education from UCLA in 1970, and her bachelor's from the State University of New York at Cortland in 1966. Her field of specialization was in gymnastics, rhythmic gymnastics, movement exploration and archery.

Dutcher, originally from Canton, N.Y., comes to Cornell from Penn State University

where she graduated in June with a bachelor's degree in physical education. Her field of specialization was Individual and Lifetime Sports such as tennis and golf.

At Penn State, Dutcher was a Senior Scholar Athlete, was an active member of the women's varsity golf team for four years and also taught several golf classes. She also managed the basketball team for three years. At Penn State she was also on the Dean's List and treasurer of the women's honorary.

Horgan, originally from West Roxbury, Mass., comes to Cornell from Northeastern and Boston Bouve College, where she received her bachelor's degree in physical education in June.

Aquatics was Ms. Horgan's field of specialization. She was also active in several varsity sports — volleyball for two years, softball for three years, and intramural basketball for three years.

While in school, Horgan was on the Dean's List and a member of the Boston-Bouve Honor Society and of the Dean's Advisory Board.

Basketball Schedule Opens November 30

Two new opponents — Duke and San Francisco State — are included in the 1974-75 Cornell basketball schedule.

The Big Red, under first-year coach Ben Bluit, open their 25-game schedule on the road against the Duke Blue Devils on Nov. 30. San Francisco State visits Cornell on Dec. 30.

In addition to its 14-game Ivy League schedule, Cornell faces several of the top independents in the East. Cornell's first home game is against Syracuse on Dec. 4. Other tough non-league opponents figure to be Fairfield, Villanova and Niagara.

Cornell fans will have a chance to see an unusual basketball-hockey "doubleheader" on Feb. 19. The basketball team faces Buffalo at 6 p.m. in Barton Hall; the hockey team takes on Harvard at 8 p.m. in Lynah Rink.

Bluit will be seeking to rebuild

Cornell's sagging basketball program which last year saw the team post a 3-23 record, the worst in Cornell history. Five lettermen, including leading scorers Abby Lucas from Jamaica, N.Y., and Tod McClaskey from Vancouver, Wash., return this season.

Cornell's 1974-75 schedule: Nov. 30, at Duke.

Dec. 4, Syracuse; 7, Rochester; 10, at Colgate; 30, San Francisco State.

Jan. 4, RPI; 10, at Yale*; 11, at Brown*; 14, Bucknell; 17, at Columbia*; 21, at Fairfield; 22, at Villanova; 24, Columbia*; 29, at Niagara; 31, Harvard*.

Feb. 1, Dartmouth*; 7, at Princeton*; 8, at Pennsylvania*; 14, Brown*; 15, Yale*; 19, Buffalo; 21, Pennsylvania*; 22, Princeton*; 28, at Dartmouth*.

Mar. 1, at Harvard*.

* - Ivy League game.

Computer Performs High-Speed Analysis

Continued from Page 5

be compared in a computerized reference file containing similar data on 30,000 compounds. As in the comparison of human fingerprints, an exact match gives certain identification of the compound. But unlike the human analogy, the mass spectral reference system includes a data analysis program which can describe and classify the

molecular structure of a compound even if the identical compound is not yet included in the file.

"The results come out in words," Henion said. "If there's been no match, the program still tells us what sort of compound the sample might be."

Researchers wishing to have samples analyzed at the facility may contact Henion at 6-3855.

Cornell Rugby Club Unbeaten: Meets Cortland

By trouncing Binghamton 56-0 last Saturday the Cornell Rugby Club stands at 5-0. The team will meet unbeaten Cortland (6-0) this Saturday on Upper Alumni Field at noon before the Homecoming football game.

This will be the toughest challenge yet for the Rugby Red this season. Comparative scores over past opponents for both teams show neither team has a decisive edge over the other.

Played in the snow last Saturday, the game revolved

around the forwards as they scored seven of the eleven tries. Scorers were Randy "Golden Boy" Wroble, Juan Bassada, Dewey Kim and Cliff Goodman.

The Cornell backline was not without its moments as the high scoring combo of Steve Spellman and Gary Van Slyke were helped by the increasingly proficient backline of Dave "Bad News" Walsh, Doug Straken, Ron Shassberger and Chris Ekman.

Gajardo Is Sage Speaker

Joel Gajardo Velasquez will be the guest speaker at the Sage Chapel Convocation at 11 a.m. Sunday, Oct. 27.

Gajardo's topic will be "Intervention: Repressing or Liberating?"

An ordained Presbyterian minister, Gajardo holds degrees from Princeton Theological Seminary and the Theological Evangelical Seminary in Buenos Aires, Argentina.

He is a citizen of the Republic

of Chile, living in exile in the United States. In the 1973 coup which overthrew the government of Chilean Marxist Salvador Allende, Gajardo was arrested and imprisoned for two weeks in a Santiago sports arena before being released. Gajardo had actively supported Allende in his election campaigns and had been teaching courses in the relationships between Christian and Marxist ethics in Santiago.

Bulletin Board

Film Catalogs in Uris Library

Uris Library houses a collection of distributors' catalogs for films and other media. This non-circulating collection includes catalogs for films, slides, film strips, records, audio and video tapes and audio visual equipment. Members of the Cornell Community are encouraged to use this catalog resource if they wish to rent or buy audio visual materials for their department or organization.

The card file for these catalogs is located near the college catalog file in the Uris Library shelf list in the Dean Reading Room. The catalogs themselves are housed in the Uris Library Listening Rooms. For questions or more information concerning the use of this catalog resource please ask Listening Room staff or call 256-3342.

French Historian to Give Lecture

French historian, Jacques Roger, an Andrew D. White Professor-at-Large, will give a public lecture Wednesday, Oct. 30 at 4:30 p.m. in Kaufmann Auditorium on "The Enlightenment: Science or Philosophy."

A specialist in intellectual history and of the natural sciences in 18th century France, Roger is on the faculty of University of Paris 1, The Sorbonne. He has been on campus since Oct. 14 and will be here through Nov. 4 taking part in a series of informal discussions and seminars with students and faculty in his fields of interest.

Ithaca Civic Opera to Perform

Ithaca Civic Opera will present Mozart's "The Impresario" and "Slow Dusk," a musical play in one act by Carlisle Floyd, at 8:15 p.m. Friday and Saturday, Oct. 25 and 26, in Barnes Hall.

"The Impresario," Mozart's classic "singspiel" with spoken dialogue, will be accompanied by string quartet and harpsichord. "Slow Dusk" will be accompanied by two pianos. Musical direction is by John Edward Niles with artistic direction by Cornell associate professor Barbara Troxell.

Tickets will be available at the door priced at \$2.50 for adults and \$1 for children and students with ID.

Women in Work World Talk

"Two-Career Families" will be the topic of a talk sponsored by the Office of Personnel Services as part of its "Women in the Work World Series" from 10:30 a.m. to noon, Wednesday, Oct. 30, in 115 Franklin Hall.

Judi Campell, associate director of Management Systems and Analysis, will be the speaker.

Discussion groups will follow the lecture in places to be announced at the talk. Attendance is limited by facilities. Persons wishing to make reservations should telephone 256-4869.

Book on Summer Session Resulted from Curiosity

"The city of Ithaca is easy of access, is delightfully situated in the beautiful lake country of central New York, and with its lake, hills, and glens is an attractive place of summer residence. The cost of living is also small, board and lodging being obtainable at from \$4 to \$6 a week."

This description of Ithaca was a part of the "General Statement" of the first summer courses offered at Cornell in 1892 "for the special benefit of teachers ... without excluding others qualified to take up the work..." It reappears, along with many other glimpses of past summers at Cornell, in "A History of the Summer Session, Cornell University: The First Seventy-five Years, 1892-1966" by William A. Smith, professor emeritus of rural education and director of the Summer Session from 1958 to 1968.

Smith's book traces the development of the Summer Session at Cornell, citing the people involved, the kinds of courses taught, and giving a history of the relationships between the Summer Session and other various University offices.

Smith said that he undertook the writing of the Summer Session's history because "I was curious" and because he couldn't find many references to the Summer Session in other Cornell histories. Smith spent about three years in writing "A History of the Summer Session."

Copies can be found at Mann, Olin and Uris Libraries, and in the University Archives. Copies for purchase are available at the Summer Session Office, 105 Day Hall.



Robert B. McKersie, (right), dean of the N.Y. State School of Industrial and Labor Relations (ILR) appears "well-suited" for his role as advisor to the President. McKersie serves on a three-member Presidential Advisory Committee on Federal Pay. He is shown here during an interview with President Gerald M. Ford in the Oval Office, The White House, with the committee's other members, chairman Jerome M. Rosow, with Exxon Corporation's public affairs department, and Frederick R. Livingston (shown shaking hands with Ford), a lawyer in New York City.

Federal Pay Committee

McKersie Adviser to Ford

Robert B. McKersie, dean of the New York State School of Industrial and Labor Relations, was one of three federal pay advisors who met with President Gerald M. Ford in mid-September to present him with recommendations concerning the annual pay of federal white-collar employees. McKersie is a member of the Presidential Advisory Committee on Federal Pay.

The President turned down the committee's recommendation that white-collar employees be granted pay increases over the 5.5 per cent recommended by the Federal Pay Agent. The Pay Agent is composed of representatives of the Civil

Service Commission and the Office of Management and Budget. The advisory committee was established in 1972 to fulfill earlier legislation whose "fundamental principle," McKersie said, "is comparability with the private sector."

The advisory committee holds meetings in late summer with federal employe bargaining groups and with the Pay Agent to formulate its report to the President during September. The committee recommended a 7.2 per cent pay increase rather than the 5.5 per cent recommended by the Pay Agent. The 5.5 per cent figure was based on an April survey conducted before wage controls

were lifted, just prior to a resulting surge in private sector salaries, McKersie said. A subsequent federal survey conducted in July found that an additional 1.7 per cent increase in private sector salaries was "a conservative estimate."

"Our recommendation was based on this kind of reasoning: a survey delay in a time of high inflation and wage and salary movement is very unfortunate. In addition, other government workers covered by our procedure were getting substantially more than 5.5 per cent," McKersie said. He attributed Ford's rejection of the recommended boost to concern with inflation.

Workshop-Retreat Begins

A workshop on "The Pathology of Consumption" for Cornell staff, faculty and graduate students, will be held the weekend of Nov. 8-10 at the Lodge of the Shackleton Point Biological Field Station.

The workshop, sponsored by the Center for Religion, Ethics

and Social Policy (CRESP), is the first in a series of eight workshop-retreats to be held this academic year.

John Lee Smith, executive director of CRESP, says that society has, in general, recognized the fact that development of human potential

is jeopardized when individuals live at or below subsistence levels. Is that human potential also jeopardized when an individual lives affluently? This is the question around which the weekend's discussions will center.

Cost for the weekend program is \$40 for individual participants and \$55 for couples. Smith emphasized that this workshop is designed for the "family unit." CRESP will try to find babysitters for people who might not be able to attend the workshop otherwise.

Meals will be prepared by the participants in the workshop, beginning with breakfast Saturday, Nov. 9. Transportation to Shackleton Point will be arranged.

Any faculty, staff or graduate students interested in attending the workshop can obtain more information and registration forms from the CRESP office.

Recent Judicial Decisions

Number of Students	Violation	Summary Decision
2	Misusing Co-op dining cards which were reported as missing.	Written reprimand since they were new students and had not intended to commit a violation.
1	Possession of stolen paper cups from Co-op dining area.	Written reprimand plus \$25 fine or 10 hours community service.
1	Possession of stolen food from Co-op dining area.	Written reprimand plus \$25 fine or 10 hours community service.

The Senate Page

The Senate Page is the official bulletin of the Cornell University Senate. Publication is supervised by Michael E. Fisher, secretary of the Senate, 133 Day Hall, 256-3715

NEXT SENATE MEETING: Tues., Nov. 5, 7:30 p.m., Kaufmann Aud.

Announcements

The following ten Freshmen have been elected non-voting members of the Cornell University Senate. They will be officially seated at the Nov. 5th Senate Meeting: Roland Alexander Foulkes, Betsy Burgomaster, Lori Altschuler, Tom A. Trozzolo, Joanne Wallenstein, Francisco Rodriguez, Alan Magdovitz, Billy Gelfond, William Baldwin O'Neill and Marc Abrams.

Calendar

THURSDAY, October 24	MONDAY, October 28
Dining Subcommittee, Open Budget Hearing, 7 p.m., Balch Unit 1 Lounge	Housing Subcommittee, 7:30 p.m., Risley
FRIDAY, October 25	TUESDAY, October 29
S.I.S. Task Force, 1:45 p.m., Senate Office	Executive Committee, 5 p.m., Senate Office
Planning Review Committee, 3 p.m., Senate Office	WEDNESDAY, October 30
Campus Life Committee, 3:30 p.m., 498 Uris Hall	Committee on Committees, 3:30 p.m., Senate Office
	AGEDI, 7:30 p.m., 101 Rand Hall

Current Legislative Log

(The full text of any bill introduced in the University Senate is available in the Senators' Study, 124 Day Hall.)

BILL NO. & DATE SUB.	ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
E-86 10/16	This bill would recommend increased scholarship support in 1975-76 to cover tuition and cost of living increases. It also requires a report on scholarship and financial aid policies for 1975-76.	B. Nichols	Admissions and Financial Aids, Planning Review Comm.
E-87 10/17/74	This act ensures that employees working in the Senate Office will be adequately compensated for the increased work load occasioned by the dismissal of the Senate Administrator.	Jeff Diver	Executive Committee
E-88 10/17/74	This act would abolish the Organizations Activities Review Committee.	H. Levy	Campus Activities and Organizations
E-89 10/17/74	A bill to reduce speed limits on Central Avenue and West Avenue to 15 mph.	Parking and Traffic	Parking and Traffic
E-90 10/17/74	This bill lists further nominations to Senate committees and boards.	Committee on Committees	Committee on Committees
E-91 10/18/74	This act outlines policies and guidelines for the Dept. of P.E. & A. to insure fair and equal treatment for men and women participants in the Department's programs.	J. Danowitz, H. Levy, R. Platt	Physical Education Committee

Judicial Adviser Serves All

C. Michael Hathaway, Cornell University's judicial adviser, is in a position to "provide free legal assistance to those accused of violating University rules and regulations," he said. His services are available to students, faculty members or employees.

Hathaway became judicial advisor July 1, replacing Marie Provine who held the post since its inception in 1972.

A 1974 graduate of Cornell Law School, Hathaway holds

several positions in addition to being judicial adviser, which is a part-time 12-month assignment. On campus, he is coordinator of the Ithaca Legal Concepts Project operating from the Law School and is a lecturer this fall teaching three recitation sections of a government course on civil liberties in the United States. Hathaway is also a labor negotiator for the City of Ithaca. Previously, he served as legal adviser to the Tompkins County Youth Court.

Hathaway's name, address and telephone number are given to all defendants charged in cases brought by the judicial administrator against alleged violators of the campus judicial system. He does not hold specific office hours for judicial adviser business, but says he invites individuals to telephone him for an appointment. He may be contacted by telephoning the Legal Concepts Office, 412 Myron Taylor Hall, at 256-3660 or at his home, 277-0202.

Calendar

Continued from Page 12

6 - 8 p.m. *Sunday Smorgasbord. Statler Inn. For reservations call 257-2500.

7 p.m. Table Tennis Clinic followed by Round Robin Singles at 7:30 p.m. Barton. Newcomers welcome.

9 p.m. Coffeehouse with Michael Lewis. Noyes third floor lounge.

Exhibits

History of Science Collections: Recent Acquisitions, changed monthly. 215 Olin Library.

Herbert F. Johnson Museum: Directions in Afro American Art. To Oct. 27. One hundred works by thirty-five black artists.

Louis Agassiz Fuertes. To Oct. 27. This exhibition celebrates the one hundredth anniversary of the birth of Fuertes, who was affiliated with Cornell for many years and was one of the best-known ornithologists and illustrators of his time.

Oded Halahmy, to Nov. 10. Born in Baghdad, Iraq, in 1938, Oded Halahmy has exhibited his sculpture in such diverse countries as Israel and Canada. Each large scale piece of

sculpture is fashioned from boldly painted aluminum and projects lines simultaneously dynamic and self-contained.

Mallorca: Intaglio Prints by Joan Miro, to Nov. 17. In the 8th decade of his life, world-renowned artist Joan Miro has produced a series of 36 prints collectively entitled Mallorca. Miro, a Catalan like Picasso, has been working all his life at the forefront of the surrealist and abstract movements of this century. These prints give proof that at the age of 80 his creative powers are undiminished.

American Art in Upstate New York. Oct. 23 - Nov. 24. This exhibition includes 122 modern American Drawings and paintings and 26 sculptures by artists such as Baskin, Calder, Feininger, Gorky, Kline, Motherwell, Oldenberg, Remington, Shahn, Whistler, Wyeth. Museum hours: Monday closed; Tuesday - Saturday 10-5; Wednesday evening until 9; Sunday 11-5.

Sibley Dome Gallery: Art Dept. Faculty Show - to Nov. 8.
Uris Library: "The Hopi Indians of the Southwest, Their Art and Culture." The exhibition, featuring Kachina dolls, pottery, and weaving, is drawn from the personal collection of Cornell Professor Emeritus W. Storrs Cole.

Willard Straight Art Room: Zerbe Exhibit - to Nov. 30.

Announcements

1 - 5 p.m. "An Afternoon of Lenny Bruce," recordings from

NATO Senior Fellowships

The National Science Foundation has announced a program of NATO Senior Fellowships in Science for 1974-75. Approximately 30 awards will be made. Prospective applicants must have full professional standing in the field with which the fellowship would be concerned, have at least 5 years' experience in research, teaching or other relevant professional work, and must have the linguistic ability necessary for profitable discussions with colleagues in the NATO country or countries to be visited.

These fellowships are intended to provide opportunities for short visits abroad to observe and study new scientific techniques and developments. They are not intended for support of publication efforts, scientific meetings, or academic study. Fellowships are for 1 to 3 months, and provide travel costs plus a subsistence allowance of \$20 a day.

Applications must be postmarked by Nov. 20, 1974 or March 1, 1975 for announcement of awards by February 15, 1975 and May 15, 1973 respectively.

Further information on this program can be obtained from the Office of Academic Funding, 123 Day Hall. Application materials may be obtained from the Division of Higher Education and Science, National Science Foundation, Washington, D.C. 20550.

NSF Energy Fellowships

The National Science Foundation has announced a program of Postdoctoral Energy-Related Fellowships for 1975.

The purpose of this program is to assist in providing experience in energy-related work and research to postdoctoral scientists and engineers as a means of strengthening the energy-related science base of the nation.

NSF, subject to the availability of funds, plans to award approximately 90 postdoctoral fellowships on March 10, 1975.

Only United States citizens or nationals will be eligible. The doctorate must have been earned at least by the beginning of the fellowship tenure; persons who have held their doctorates for more than five years are ineligible. The normal stipend rate would be \$12,000 for 12 months; a travel allowance and a special allowance are also provided. Applications must be submitted by Dec. 6, 1974.

Further information on this program is available at the Office of Academic Funding, 123 Day Hall. Application materials may be obtained from the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

—Barton Blotter—

Peter Rabbit in Patch?

Vegetables from a garden, a compressor from a freezer, surveying equipment and a calculator joined the usual thefts of wallets and purses reported this week in Safety Division morning reports. For only the second week this term, no bicycles were stolen.

Thefts and their locations were:

Surveying equipment worth \$590 from lockers in the basement of Riley-Robb Hall; a compressor worth \$300 to \$400 from a freezer unit in the test area of Thurston Hall; a wallet containing \$2 from a room in Warren Hall; a purse containing \$50 from the vending room in Martha Van Rensselaer Hall; a jacket worth \$50 from a room in Balch Hall.

Also, vegetables with unknown value from a garden at 1022 Cayuga Heights Rd.; a wallet from Noyes Student Center; a calculator worth \$220 from a room in Hollister Hall; a wrist watch from an unsecured locker in Helen Newman Hall; a digital clock from a room in Plant Science; a wallet containing \$17 from a purse left unattended in Uris Library, and a 35 mm Nikkormat camera from the Ivy Room in Willard Straight Hall.

the collection of the Uris Library Listening Rooms, held in Uris Library Classroom, lower level, Room L-04.

The deadline on Intramural Hockey is Wednesday, Oct. 30th at 2 p.m. in the Intramural Office. A minimum of (12) will be accepted on a roster.

The deadline on Intramural Swimming (team championship) is Monday, Nov. 4th at 2 p.m. in the Intramural Office.

The deadline on entries for Intramural Basketball is Tuesday, Nov. 5th at 2 p.m. in the Intramural Office. A minimum of (9) will be accepted on a roster. Play starts Nov. 18th.

The deadline on entries for Co-ed Intramural Basketball is Tuesday, Nov. 5th at 2 p.m. in the Intramural Office, located in the Grumman Squash Courts Bldg. A minimum of (10) (equal no. of men and women) on a roster.

* Admission charged.

Attendance at all events is limited to the approved seating capacity of the hall in which they are presented.

All items for the Cornell Chronicle Calendar must be submitted to the Office of Central Reservations, Willard Straight Hall (either through the mails or by leaving them at the Straight desk) at least 10 days prior to publication of the Chronicle. The Calendar is prepared for the Chronicle by the Office of Central Reservations.

'Spinning Dance' Featured

Dance Concert, Workshop Set

The Laura Dean Dance Company will be in residence at Cornell Friday and Saturday, Nov. 1 and 2, as part of the Cornell Dance Series.

The Dean Company will present a modern dance concert at 8:30 p.m. Friday, Nov. 1, in the Helen Newman Hall gymnasium. At 8:30 p.m. Saturday in the gym, the company will give a mini-performance and open dance workshop. Portions of the Friday night concert will be repeated and taught to the audience. The workshop is open to all interested persons, dancers and non-dancers alike.

Laura Dean formed her own company in 1971, having previously danced with Paul Taylor, Paul Sanasardo and Meredith Monk. Her style of choreography, often called "ritualistic" by dance critics, explores the effects of repetition of basic steps and rhythms.

Pieces in the Nov. 1 program will include "Response Dance," "Stamping Dance II," and "Spinning Dance," the work for which Dean is probably best known. In "Spinning Dance," three women spin non-stop on stage for 45 minutes. This dance has been compared to Dervish

dancing, because, like Dervish dancers, Dean's dancers spin without "spotting" or focusing on a particular object as ballet dancers do when they spin.

Tickets for the Nov. 1 concert are priced at \$2.50 for students, \$3.50 for others, and may be purchased at the Willard Straight Hall ticket office, the dance office in Helen Newman Hall, and at Nippenose in the DeWitt Mall. Admission to the Saturday night workshop will be \$1 at the door.

Cornellian Given Radiology Award

At the annual meeting of the American Radiology Society in San Francisco, Sept. 23 - 27, a picture exhibition "Pathogenesis of bone remodeling" composed by Joseph P. Whalen, Eladio A. Nunez and Lennart Krook, Acting Chairman, Department of Pathology, New York State Veterinary College, and based on 16 of their papers, was awarded the gold medal in competition with numerous other exhibits.

Academic, Financial Dateline

Wednesday, Oct. 30 — CornellCard bills will come out.
Reminders — Each student whose Financial Aid package included a BEOG estimate should turn in his eligibility report to the Office of Financial Aids, 203 Day Hall, as soon as possible in order to have the award processed and credited to his account. Students whose reports indicated they were ineligible must also turn them in.
 — The preliminary FINAL EXAM schedule is available for review at the college offices.

Budget Q & A

Continued from Page 6

any anticipated deficits?

Fund's investments over the prior years. At today's depressed stock values, however, even this reduced distribution will be providing in the range of a 12 per cent payout on the Fund's current market value annual return. This payout is more than can be sustained for a prolonged period.

Q: I understand the Capital Fund's current value is about \$70 million. Why can't the University dip into this to meet

A: This is an option, but it is not as much of an option as might be imagined. 30 per cent of the Capital Fund is restricted for use only at the Medical College and another 30 per cent is restricted for certain special categories of expense at Ithaca. The current market value of the University's totally unrestricted and unencumbered capital funds is now only \$20-25 million. The University must maintain some capital reserves to stand behind its \$220 million annual operation and \$66 million debt. Cornell has operated on a smaller margin before and may have to again. But in as unstable a financial situation as we face today, to do so will involve considerable risk and would require selling stocks and bonds in a very unfavorable market.

Q: That brings us to the question of future operations. You told the University Senate that Cornell was relatively strong. Yet needed maintenance is being deferred, and inflation continues. You've said for the coming year the administration will have to close a budget gap of about \$4.5 million. How can this be done?

A: Money is not the only measure of Cornell's health. Our strengths include the faculty, our student body, alumni and our reputation. Even the physical plant and endowment are in better shape than at many other schools; thus relative to other institutions we are strong. In responding to short-range financial pressures, we must do nothing to jeopardize our strengths over the longer run. Unfortunately, there is no way to deal with the impact of inflation and a depressed stock market on Cornell that does not involve both substantial risks and pain. Inevitably, the situation cannot be handled to everyone's satisfaction.

President Corson has estimated that a tuition increase of at least 8 per cent for the coming year will be necessary. Since tuitions contribute some 60 per cent to general purpose operating funds, this measure is necessary if we are to operate in a responsible way. Obviously, it is not a popular one.

In addition to a tuition increase, other measures will have to be considered. (See statement by Provost Knapp on Page 1.) We will try to increase the amount of gifts and we will have to effect savings wherever possible without impairing the quality of Cornell. In the coming weeks we will continue to consult as broadly as possible with the different elements of the Cornell community in an effort to develop a specific plan of action.

Salary Classification Charts Reprinted

These two charts, which appeared last week with the story on the newly developed classification system for exempt, non-faculty personnel, are reprinted because they were not clear.

POSITIONS ARE REASONABLY WELL DISTRIBUTED THROUGH THE NINE SALARY GRADES.
 DISTRIBUTION OF POSITIONS BY SALARY GRADE

Salary Grade	Below Minima	1st Quartile	2nd Quartile	3rd Quartile	4th Quartile	Over Maxima	Total	Percent of Total
9	--	3	1	7	2	1	14	1.0
8	4	18	14	13	6	7	62	4.4
7	12	11	33	20	11	11	98	7.0
6	41	40	39	37	15	13	185	13.0
5	42	51	35	42	7	6	183	13.0
4	61	87	84	62	19	15	328	23.3
3	79	74	80	65	27	26	351	24.9
2	64	22	20	13	14	15	148	10.5
1	3	8	11	8	9	2	41	2.9
TOTAL	306	314	317	267	110	96	1410	100.0

CLASSIFICATIONS IN THE LIBRARIES AND MUSEUMS AND CAMPUS SERVICES HAVE THE LARGEST PERCENTAGE OF POSITIONS BELOW MINIMA.

DISTRIBUTION OF POSITIONS BY MAJOR WORK GROUP

	Below Minima	1st Quartile	2nd Quartile	3rd Quartile	4th Quartile	Over Maxima	Total
Libraries & Museums	65	23	12	11	4	7	122
Research	33	30	35	25	16	17	156
Research & Extension Support	37	58	63	52	9	8	227
Extension	16	40	28	30	12	10	136
Student Development	38	25	15	17	3	4	102
Campus Services	46	18	10	7	2	4	87
Business Operations	26	65	82	59	32	21	285
Physical Facilities	9	9	22	24	12	3	81
Public Affairs	17	21	15	19	14	18	104
Data Processing	14	23	25	10	2	--	74
Vet & Ag	5	2	10	13	4	2	36
TOTAL	306	314	317	267	110	96	1410



Calendar

October 24-November 3

Thursday, October 24

- 4 p.m. Informational meeting regarding Graduate Study in Management. 217 Malott. Sponsored by the Graduate School of Business and Public Administration.
- 4:30 p.m. Seminar: "Physiological-Ecological Studies of Carbon Cycling in a Soft Water New England Lake." Dr. Harold Allen, National Commission for Water Quality. 204 Stocking. Coffee at 4:15 p.m.
- 4:30 p.m. Hug Ivri. G34 Anabel Taylor.
- 4:30 p.m. Lecture: "German Women Writers: Eccentrics and Outsiders?" Ruth K. Angress, Chairman and Associate Professor of German, University of Virginia. 110 Ives.
- 6 p.m. The Cornell Christian Science Organization invites students to a Readings and Testimony meeting in the Founders Room, Anabel Taylor.
- 6 p.m. Club France Table Francaise. Ivy Room, (last table).
- 7 p.m. North Campus Union Program Committee meeting. Conference Room, North Campus Union.
- 7:30 p.m. Jewish View of Jesus. The Forum, Anabel Taylor.
- 7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.
- 8 p.m. Sierra Club Meeting: "The Wilderness World of the Grand Canyon." Gene Reetz will describe his adventures backpacking and rafting through the Grand Canyon with slides of his raft rides through the Colorado River rapids. Cornell Ornithology Lab (Sapsucker Woods Road). Refreshments will be served. Everyone welcome.
- 8 p.m. Lecture: "Can A Tonal Language Find Happiness in a Non-Tonal Family? The Case of Vietnamese." 106 Morrill. Speaker, Professor Franklin E. Huffman. Sponsored by the Cornell Linguistics Circle.
- 8 p.m. Open Mike: local entertainment; anyone can try. West Dining - Munchy's, North Campus Union. Sponsored by NCU Dining and NCU Board.
- 8 p.m. Eckankar, Path of Total Awareness. Discussion group. 248 Goldwin Smith.
- 8:15 p.m. *University Theatre Series: "No Place To Be Somebody" by Charles Gordone. Willard Straight Theatre.

Friday, October 25

- 12:15 p.m. Sandwich Seminar: "Women and Girls as Poets." Carol M. Burke, Lecturer, Women's Studies. 300 ILR Conference Center. Coffee available, child care available during Sandwich Seminars. Bring your lunch; everyone welcome.
- 2 p.m. Lecture: "Bernini's Speaking Marbles." Dr. Irving Lavin of the Institute for Advanced Studies, Princeton University. 26 Goldwin Smith. Refreshments will be served. Sponsored by the History of Art Colloquium Committee.
- 2:30 p.m. Seminar Series on Water Resources and Agriculture's Impact on Environmental Quality: "Agricultural Runoff and Lake Quality." Professor R.T. Oglesby, Dept. of Natural Resources. 105 Riley-Robb.
- 3 p.m. Western Societies Program Seminar: "Patronage as Myth." Sydel Silverman, Dept. of Anthropology, C.U.N.Y. 153 Uris.
- 4 p.m. The Coalition for the Right to Eat will hold a volunteer recruitment and general information meeting for programs concerning the world food crisis. All are welcome. Anabel Taylor.
- 4:30 p.m. Lecture: "Religion and Social Change in Seventeenth Century London." Valerie Pearl, Reader in London History at University College, London. 110 Ives.
- 6 p.m. Shabbat Service. Founders Room, Anabel Taylor.
- 7 & 9:15 p.m. *Cornell Cinema Film: "Take the Money and Run" directed by and starring Woody Allen. Uris Auditorium. Attendance limited to Cornell Community.
- 7 & 9:45 p.m. *Cornell Cinema Film: "A Clockwork Orange" directed by Stanley Kubrick, starring Malcolm McDowell. Statler Auditorium. Attendance limited to Cornell Community.
- 8 p.m. Shabbat Service. Hi Rise No. 1 Lounge.
- 8 p.m. Public Lecture: "Archaeology in Boeotia (without excavation)." Professor John Fossey, McGill University, Kaufman Auditorium. Sponsored by the Archaeological Institute of America, Finger Lakes chapter.
- 8:15 p.m. *Ithaca Civic Opera. Barnes Hall. Mozart's singspiel "The Impresario," and "Slow Dusk," a musical play by Carlisle Floyd.
- 8:15 p.m. *University Theatre Series: "No Place To Be Somebody." Willard Straight Theatre.
- 8:30 p.m. *Folk Song Club Concert: Michael Cooney. Memorial Room, Willard Straight.
- 9 p.m. Dance: Latin Music by "La Sopreso." First floor lounge - Thirsty Bear, North Campus Union. Sponsored by NCU Board.
- 9 p.m. Coffeehouse with Jon Pushkin & Ken Knezick. Noyes Center third floor lounge. Sponsored by Noyes Board.

Saturday, October 26

- 9:30 a.m. Shabbat Service. Edwards Room, Anabel Taylor.
- 9:30 a.m. Shabbat Service (Conservative) The Forum, Anabel Taylor.
- 10 a.m. *Varsity Soccer - Yale. Schoellkopf Field.

- 10:30 a.m. Women's Intercollegiate Tennis - Herbert Lehman.
- 1 p.m. *Varsity Football - Yale (Homecoming). Schoellkopf Field.
- 2 p.m. Talmud Shiur. Young Israel House.
- 4:30-8:30 p.m. *Steaks Ltd. Enjoy an excellent steak dinner after the game or before an evening's entertainment. \$3.55 (plus tax). Statler Inn.
- 5:15 & 11:30 p.m. Catholic Masses. Anabel Taylor Chapel.
- 7 & 9:15 p.m. *Cornell Cinema Film: "Take The Money and Run." Uris Auditorium. Attendance limited to Cornell Community.
- 7 & 9:45 p.m. *Cornell Cinema Film: "A Clockwork Orange." Statler Auditorium. Attendance limited to Cornell Community.
- 8 p.m. *Cornell Concert Commission Concert: Taj Mahal. Bailey.
- 8 p.m. *Square Dance. Memorial Room, Willard Straight. Sponsored by Cornell Outing Club and Cornell Student Grange.
- 8:15 p.m. *Cornell Polo — Mahoning Valley. John T. Oxley Polo Arena.
- 8:15 p.m. *Ithaca Civic Opera, Barnes Hall. See Oct. 25.
- 8:15 p.m. *University Theatre Series: "No Place To Be Somebody." Willard Straight Theatre.
- 9:30 p.m. Risley Free Film Series: "Two Rode Together" (1961) directed by John Ford with James Stewart, Richard Widmark, Shirley Jones. Risley Theatre.

Sunday, October 27

- 9:30 a.m. Holy Communion Episcopal Church at Cornell. All are welcome: students, faculty and families. Anabel Taylor Chapel.
- 9:30, 11:30 a.m. & 5 p.m. Catholic Masses. Anabel Taylor Auditorium.
- 11 a.m. Sage Chapel Convocation: Joel Gajardo, Professor of Theology, Evangelical Theological Community, Santiago, Chile; Associate Director, CUSLAR, Cornell.
- 4 p.m. Festival of Contemporary Music Concert: Portland Symphony String Quartet. Works of Piston, Husa, Bloch. Barnes.
- 6 - 8 p.m. Sunday Smorgasbord. Statler Inn. For reservations call 257-2500.
- 7 p.m. Table Tennis Clinic followed by Round Robin Singles. Barton. Newcomers welcome.
- 8 p.m. *Cornell Cinema Film: "Where's Poppa?" directed by Carl Reiner, starring George Segal and Ruth Gordon. Statler Auditorium.

Monday, October 28

- 9 a.m.-5 p.m. Peace Corps and VISTA recruiters will be at Willard Straight Union and Mann Library to talk with those interested in either program.
- 4 p.m. Dept. of Anthropology Colloquium: "To Tell My Story: Aspects of Australian Aboriginal Affairs." Lauriston Sharp, Goldwin Smith Professor of Anthropology and Asian Studies Emeritus. 165 McGraw.
- 4 p.m. Jugatae Seminar Program: "Biology of Mayflies." Sandy Fiance, Dept. of Entomology. 245 Comstock.
- 4:30 p.m. Festival of Contemporary Music Concert: Cornell Symphonic Band. Works of Charles Ives. Memorial Room, Willard Straight.
- 4:30 p.m. Lecture: "Bede's Church and Reverend Harold Saxby Monastery at Jarrow: Recent Discoveries, and Developments." Reverend Harold Saxby, Rector of Jarrow. 24 Goldwin Smith. Sponsored by the Dept. of English.
- 7:30 p.m. Sign up for the Ivy League Monopoly Association. Memorial Room, Willard Straight. All those who can play are invited to join. If you can't make the short meeting but still want to join call 257-5486.
- 7:30 p.m. CU Horse Film Course: "Just Horses" (Horses at play and work). Presentation on Bits and Biting by R.A. Woodworth, Depot Saddlery, Greene, N.Y. 146 Morrison. Free and open to the public.
- 7:30 p.m. Modern Jewish History. 314 Anabel Taylor.
- 7:30 p.m. Jewish Thought. Comm. Room, Donlon.
- 8 p.m. How To Improve Your ... Series: "Course Selection." Multi-purpose Room, North Campus Union. Sponsored by NCU Board.
- 8 p.m. *Cornell Cinema Film: "It Happened Here," a fictional account of a Nazi Victory over England during World War III, directed by Kevin Brownlow and Andrew Mollo. Uris Auditorium. Attendance limited to Film Club Members.

Tuesday, October 29

- 9 a.m.-5 p.m. Peace Corps and VISTA recruiters. Straight Union and Mann Library. See Oct. 28.
- 4:30 p.m. Physiology Seminar: "A New Look at an Old Problem: Intestinal Peristalsis." Dr. Alexander Bortoff, Professor of Physiology, Upstate Medical Center. 348 Morrison.
- 4:30 p.m. Dept. of Geological Sciences Seminar: "The Role of Geophysical Cues in Pigeon Navigation." Dr. William Keeton, Cornell. 212 Kimball. Coffee at 4 p.m.
- 7:30 p.m. Cornell Outing Club meeting. Japes.
- 8 p.m. *Cornell Cinema Film: "Condensed Cream of Beatles" (8-10): "The Beatles At Shea's Stadium" (8:15) and "Magical Mystery Tour" (8:45), directed by and starring the Beatles. Willard Straight Theatre.
- 8 p.m. Old TV Show Series: Thirsty Bear Tavern, North Campus Union. Sponsored by NCU Board.
- 8:15 p.m. Festival of Contemporary Music Concert: Chamber Music. Works by Bartok, Copland, Ives, Lee, Musgrave, Palmer. Barnes.

Wednesday, October 30

- 9 a.m.-5 p.m. Peace Corps and VISTA recruiters. Straight Union and Mann Library. See Oct. 28.
- 3:30 p.m. Irvine Lecture: "Rationing Justice — the Supreme Court's Caseload and What It Does Not Do." Erwin N. Griswold, formerly, Solicitor General of the United States and Dean of the Harvard Law School. Moot Court Room, Myron Taylor. Sponsored by the Law School.
- 4:30 p.m. Food Science Seminar: "World Food Map." Professor Keith H. Steinkraus, Dept. of Food Science and Technology, Geneva, New York. 204 Stocking. Refreshments at 4:15 p.m.
- 7 - 8:15 p.m. Hebrew Classes. Room 314 Anabel Taylor.
- 7:30 p.m. Cornell Duplicate Bridge Club. Hughes Dining.
- 8 p.m. Free Films at North Campus Union: "The Pirate" (1948) directed by Vincente Minnelli with Judy Garland and Gene Kelly. Multi-purpose Room, North Campus Union.
- 8 p.m. Coffeehouse with Michael Lewis. Memorial Room, Willard Straight. Sponsored by WSH Board.
- 8 p.m. *Cornell Cinema Film: "Calcutta" directed by Louis Molle. Uris Auditorium. Co-sponsored by the Cornell French Club. Attendance limited to Cornell Community.

Thursday, October 31

- 9 a.m.-5 p.m. Peace Corps and VISTA recruiters. Straight Union and Mann Library. Last day. See Oct. 28.
- 4 p.m. Informational meeting regarding Graduate Study in Management. 217 Malott. Sponsored by the Graduate School of Business and Public Administration.
- 4 p.m. Lecture: "The Importance of Witchcraft in the History of Women." Professor William Monter, Dept. of History, Northwestern University. 300 ILR Conference Center. Open to the public. Coffee provided.
- 4:30 p.m. Materials Science Colloquium Series: "Anisotropic Thermoelectric Voltages in Thin Metallic Films." Dr. R.v. Gutfeld, IBM Watson Laboratory, Yorktown Heights, N.Y. 140 Bard. Refreshments served in Bard Hall Lounge at 4 p.m.
- 4:30 p.m. Hug Ivri. 34 Anabel Taylor.
- 6 p.m. Club France Table Francaise. Ivy Room (last table).
- 6 p.m. The Cornell Christian Science Organization invites students to a Readings and Testimony meeting in the Founders Room, Anabel Taylor.
- 7 p.m. North Campus Union Program Committee meeting. Conference Room, North Campus Union.
- 7:30 p.m. Jewish View of Jesus. The Forum, Anabel Taylor.
- 7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.
- 8 p.m. Eckankar, Path of Total Awareness. Discussion group. 248 Goldwin Smith.
- 8 p.m. Halloween Party. Memorial Room, Willard Straight. Sponsored by WSH Board.
- 8:15 p.m. Festival of Contemporary Music Concert: New Music from Cornell. Barnes.
- 8:30 p.m. Halloween Activities. South Dining (3rd floor) North Campus Union. Sponsored by NCU Board.

Friday, November 1

- 12:15 p.m. Open meeting, Women's Studies Advisory Group. 431 White.
- 2:30 p.m. Seminar Series on Water Resources and Agriculture's Impact on Environmental Quality: "Economic Implications of Reducing Phosphorus Loss From Agriculture in Fall Creek Watershed." Professor G. Casler, Agricultural Economics Dept. 105 Riley-Robb.
- 6 p.m. Shabbat Service. The Founders Room, Anabel Taylor.
- 8 p.m. Shabbat Service. Hi Rise No. 1 Lounge.
- 8:15 p.m. Festival of Contemporary Music Concert: Music by Hunter Johnson. Barnes.
- 8:30 p.m. *Dance Concert: Laura Dean and Company. Helen Newman Gym.

Saturday, November 2

- 9:30 a.m. Shabbat Service. Edwards Room, Anabel Taylor.
- 9:30 a.m. Shabbat Service (Conservative). The Forum, Anabel Taylor.
- 11 a.m. Festival of Contemporary Music Lecture: "The Music of Schoenberg." Barnes.
- 2 p.m. Talmud Shiur. Young Israel House.
- 4:30 - 8:30 p.m. *Steaks Ltd. enjoy an excellent steak dinner after the game or before an evening's entertainment. \$3.55 (plus tax). Statler Inn.
- 5:15 & 11:30 p.m. Catholic Masses. Anabel Taylor Chapel.
- 8:15 p.m. *Cornell Polo - Cleveland. John T. Oxley Polo Arena.
- 8:15 p.m. Festival of Contemporary Music Concert: Works of Schoenberg. Barnes.
- 8:30 p.m. *Laura Dean and Company present a mini-performance and open workshop in Helen Newman Gym.
- 9:30 p.m. Risley Free Film Series: "The Stranger" (1946) directed by Orson Welles with Orson Welles, Edward G. Robinson, Loretta Young. Risley Theatre.

Sunday, November 3

- 4 p.m. Music Dept. Concert: Faculty Concert. Jerryl Davis, oboe, assisted by Ann Silsbee, harpsichord, and Oren Haber-Schaim, cello. Lecture-recital, "Two Oboe Sonatas of Telemann." Barnes.
- 5 p.m. Lecture/Film: Memorial Room, Willard Straight. Sponsored by WSH Board and the Coalition for the Right to Eat.

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