

Early Budget Figures Show 7% Tuition Hike

Budget planning figures released by Cornell University project a tuition increase of seven per cent for 1977-78 for undergraduates in the endowed colleges.

The figures were presented by University President Dale R. Corson in a letter to the University Senate. They are for Cornell's endowed colleges at Ithaca and comprise the so-called "general purpose funds." Corson said that similar tuition increases could be also expected for the statutory units and professional schools, with the exact increase for these units yet to be determined.

The preliminary budget still shows a gap between revenue and expense. Corson said, "during the coming weeks, the administration will be seeking ways to close the gap in order to present a balanced budget to the Trustees."

The final Cornell budget will be

adopted by the University's Board of Trustees in January.

Corson's letter to the Senate cites an increased effort this year to involve the Senate Planning Review Committee as well as the Faculty Budget Committee, Deans and Vice Presidents in reviewing budget options. Each group was asked to make trade-offs among increases in the cost of running the University, means for increasing revenues, and expenditure savings through program and other cost reductions.

"There was a close similarity among the responses from these groups, and the budget reflects these priorities," Corson wrote.

The increase in tuition follows statements by Corson and members of the Board of Trustees earlier in the year that tuition would rise roughly at the rate of inflation in the U.S. economy. "During the past

year, the Consumer Price Index has risen 5.7 per cent, prices for services are up 8.7 per cent. Disposable Family Income is up 8.3 per cent. Although the rate of inflation has moderated recently compared to a year ago, we must recognize the erosion in the University's purchasing power which has already taken place and the possibility of a resurgence of inflationary pressures in the coming months," Corson wrote.

Cost increases contributing to the preliminary budget gap consist of two kinds — those "built-in" from mandatory legislated programs, internal commitments, and price increases in insurance, goods and services needed by the University.

Other increases are discretionary, at least in theory. These include salary increases for faculty and staff, an increase in annual "steady state"

maintenance expenditures and new academic program costs.

The budget gap, which Corson termed "substantial," will have to be closed by seeking reductions in some of these items.

Some of the other options under consideration involve changes in investment strategy, making more use of restricted funds by the colleges to ease the pressure on general purpose appropriations, and increasing self-insurance to avoid higher premium payments for liability and fire losses, according to Vice President for Financial and Planning Services Samuel A. Lawrence.

An increase in spending from capital is not a revenue option. "The Trustees have instructed the University to reduce the distribution beyond earnings from the Capital Fund," Corson wrote. "In 1977-78 we should reduce this amount by

roughly \$300 thousand."

Corson said Cornell was not too conservative in its budgeting, as some had charged. "Cornell has been consistently close — usually within one per cent — in its estimates," he wrote. And the change has not always been an improvement. "In 1973-74 and 1974-75, for example, we ended the year less favorably than the budget had anticipated," he said.

Corson told the Senate that Cornell is no longer in a period of overall growth, but in a "steady state." He said difficult decisions remained to be made in coming weeks. "As we analyze ways to bring projected revenues and expenses into balance," he wrote the Senate, "we would like to benefit from the advice of members of the Senate, the faculty and student body and staff members."



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More Budget Information..... Pages 6-7
 Senate Meeting Page 3
 Concerts..... Page 5
 Athletics..... Page 7
 Jackson Is Ransomed..... Page 9

Caution Issued

Harassment Reports Up Sharply This Year

Increasing reports of sexual harassment of women on campus have brought strong words of caution from the Department of Public Safety at the University.

The 17 reported incidents in less than two months since the start of the school year this fall is "way up from previous experience," according to William E. McDaniel, director of the department.

"In many of the incidents," he said, "women had left doors to their rooms unlocked or had been walking alone in dark parts of the campus late at night, when there were few people around. These are both ac-

tions we have warned about con-

sistently, for persons concerned with their personal safety." McDaniel said the incidents have occurred in many different locations on campus, and that descriptions have made it clear that several different persons, and not just one assailant, are involved. "This makes personal security important everywhere," he said.

He urged that persons use the corridors on campus where lighting has been increased for safety purposes, and said that this lighting program is continuing. Also, eight blue-lighted telephones that are hooked up directly to the Depart-

Continued on Page 9



What Do These Cornellians Have in Common? See page 3 . . .

Left to right) Pat Wilke, administrative aide, atomic and solid state physics; Jean Payne, associate librarian, Olin Library; Patricia Kirkwood, lecturer, Classics; Richard Phelan, professor of mechanical and aerospace engineering; Carl Ginet, associate professor of philosophy; Douglass Payne, technical associate, natural resources; Stanley Olsefski, instructor, civil and environmental engineering; Tom Rogers, director, academic funding; Chuck Hotchkiss, graduate student, city planning; Harvey Wilkin, research technician, veterinary medicine, and Jack Hudson, professor of zoology.

Seifert Out as Red Football Coach

George Seifert has been relieved of his duties as Cornell's head football coach after two seasons by Director of Athletics Richard Schultz.

In announcing his decision Monday, Schultz said, "The decision was reached after assessing thoroughly all aspects of the Cornell football program and its future. Though George is a man of character and integrity, I concluded that it is necessary to make a change at this time."

Seifert, whose Cornell teams were 1-8 in 1975 and 2-7 in 1976, will be reassigned to other duties in the department for the immediate future. Schultz said. Seifert has one year remaining on a three-year contract.

The assistant coaches will continue to recruit for Cornell and will have an opportunity to remain on the staff after a new coach is named, Schultz said.

"The decision to relieve George

of the coaching assignment was my own and was based on my judgment, as athletic director, of what would be best for Cornell, the football program and the department," Schultz said. "Outside influences did not effect my decision."

Seifert, 36, came to Cornell after eight years as an assistant coach in the Pacific Eight Conference, serving three years at Stanford and five years at Oregon. A native of San Francisco, Seifert was graduated from Utah in 1963.

Extension Referendum

Don't forget to vote in the referendum to extend the current University Senate for not more than 60 days as means of saving the University nearly \$6,000 and untold effort for a February Senate election that might prove pointless if the University Trustees opt for another form of self-governance in a decision scheduled for March. All ballots, which have been mailed or delivered to all student and staff members of the Cornell community, must be in the Senate Office, 133 Day Hall, by 5 p.m. Monday Nov. 22. The white envelopes with each ballot may be sent through campus mail. It is suggested they be mailed not later than Friday, Nov. 19, in order to beat the deadline. Otherwise ballots should be delivered directly to the Senate Office.

Unions Guideline Hearing

An open hearing at 4:30 p.m. on Thursday, Nov. 18 will be held in the Straight Conference Room, to consider an amendment in the constitution of the Unions Board of Governors.

The text of the proposed change follows:
 SG-11: "Article VII, Section 3 ("Meetings") of the Constitution of the Cornell University Board of Governors shall be amended to read as follows (Senate Code Section 1921): 'A quorum shall consist of at least six voting members (, one half of whom must be students, and at least two of whom must be non-students).'"

Hearing Board Criticizes Faculty Action on Ky Event

The University Hearing Board panel which found Richard W. Miller, assistant professor of philosophy, not guilty of charges arising from the Ky incident has criticized faculty action following the Dec. 9, 1975, event at Bailey Hall.

The panel outlined its criticism in a two-page rationale covering its Oct. 25 decision which found Miller not guilty of violations of the Campus Code of Conduct. (See page 1, Oct. 28 Chronicle.)

Nguyen Cao Ky, the former vice president of Vietnam, left the Bailey Hall stage during heckling which followed remarks made by Miller from the floor.

The five-member hearing panel (three faculty, one student and one employe) wrote the following "Commentary" concerning its decision:

"The hearing panel wishes to express its concern over some aspects of the Ky affair. It is our opinion that the actions taken at the special faculty meeting held on Dec. 15, 1975, had a profound negative effect on the judicial investigation, the ability of the Judicial Administrator to present an effective case(s), and upon the effective functioning of the established University judicial process.

"The faculty statement about free speech, 'We are dismayed at the degeneration of respect for civil liberty at a Cornell forum displayed by protestors at Bailey Hall last Tuesday evening who hounded a visiting speaker from the platform with abusive and intimidating heckling. We are particularly disturbed by the reports that members of the faculty played prominent roles in creating a climate hostile to the preservation of free speech' can be interpreted as prejudging the issue.

"The charge to a committee 'to determine specific responsibilities for the disruption and to recommend appropriate action to the faculty' clearly prejudices the issue and implies that the faculty may punish any faculty members found responsible. This charge appears to circumvent established procedures. Violations of the Regulations for the Maintenance of Public Order, as detailed in Article I of the Campus Code of Conduct, are properly handled by the University Judicial system.

"Faculty members who are suspended or dismissed from the University for violations of the Campus Code of Conduct may appeal to either the University Review Board or to an arbitration committee in accordance with the faculty dismissal procedure. Thus, there is no question how or at what point the Faculty becomes involved in the judicial process.

"We note that the Campus Code of Conduct does not protect alleged violators from other University procedures. However, we feel that the charge to the faculty committee investigating the Ky incident raises the question of double jeopardy.

"One damaging aspect of the Ky affair has been the delay in the judicial process. This was unfair to

the University and to Professor Richard Miller who was eventually charged with violating Article I. While we are probably not aware of all of the reasons for the delay we believe that the independent actions of the Faculty were a contributing factor. Had the time and effort that went into the faculty investigation been channeled through established judicial procedures, the objectives of both the Faculty and the judicial system would have been accomplished.

"We recognize a conflict between the University judicial system and the recommendation (Sept. 8, 1976) of the FCR that an Ad Hoc faculty board, invoked in accordance with the faculty dismissal procedure, hear cases where "there is reasonable ground for believing that serious charges of interference by a faculty member with free speech are warranted". We recommend that a single University policy be developed to resolve this conflict."

Men's Resource Center Urges Human Liberation

"Our culture is dominated by men at this point. It is easy for men to see what women have to gain by today's changing sex roles and what men have to lose. It isn't so easy for men to see what they also have to gain. Men need an opportunity to get in touch with themselves and understand what they have to gain," said Gurdon Brewster, Cornell Episcopal chaplain and one of the organizers of a new Men's Resource Center.

The Men's Resource Center will be housed initially in the Alternatives Library, Anabel Taylor Hall, Brewster said. "We want to wait and see what kind of interest is there and how much energy, and what men want to do" before any further plans are made, he added.

An organizational meeting to discuss the Men's Resource Center will

be held at 7:30 p.m. Tuesday, Nov. 30, at the Forum of Anabel Taylor Hall. The meeting is open to all interested persons.

"I believe we are moving into a revolution in our society in terms of sex roles for men and women," said Brewster, explaining the philosophy behind the development of the Men's Resource Center. "Women have worked more on this than men have. Women have centers, study programs. Men don't have anywhere where they can get together. They don't even know how to talk to one another," he said.

"What we're really talking about is human liberation, not just women's or men's liberation. Women can't be liberated until men are liberated," he added.

NRC 1977 Postdoctoral Research Opportunities

The National Research Council (NRC) announces the Research Associateship Programs for 1977. These programs provide scientists and engineers with opportunities for postdoctoral research on problems in many fields of atmospheric and earth sciences, chemistry, engineering, environmental sciences, life sciences, mathematics, physics and space sciences. The NRC administers the Research Associateship Programs on behalf of and in cooperation with selected federal research organizations, which have laboratories at about 80 geographic locations in the United States.

Appointments are awarded on a competitive basis. Some programs are open to non-U.S. citizens. Approximately 250 to 300 new awards will be made in 1977. Stipends (subject to income tax) will range from \$15,000 upwards. Grants will be provided for family relocation and for professional travel during tenure.

Postmark deadline for applications is Jan. 15, 1977. Awards will be announced in April. Further information concerning application materials and specific opportunities for research is available from the Associateship Office, JH 606-P, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. A copy of the announcement can be seen at the Office of Academic Funding, 123 Day Hall.

Atmosphere Research Programs Announced

The National Center for Atmospheric Research announces the following three program opportunities for undergraduate, graduate and postgraduate study in the atmospheric sciences and related fundamental disciplines:

1. Summer Fellowship Program for Minority Students. Limited to undergraduates only.
2. Graduate Fellowships in the Atmospheric Sciences.
3. Postdoctoral and Senior Postdoctoral Appointments at the National Center for Atmospheric Research.

For full information on these programs, please contact Pete Mather in the Office of Academic Funding at 123 Day Hall.

Job Opportunities At Cornell University

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

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

POSITION	(DEPARTMENT)
CLERICAL POSITIONS	
Sr. Administrative Secretary, A-17	(Latin American Studies)
Administrative Secretary, A-15	(College of Arch/Art/Planning)
Administrative Secretary, A-15	(NAIC)
Administrative Secretary, A-15	(Alumni Affairs)
* Principal Clerk, A-14	(University Development)
* Editorial Assistant, A-14	(University Press)
* Steno III, NP-9	(Food Science (Microbiology))
* Steno II, NP-8	(Food Science)
* Library Assistant III, NP-8	(NYSSILR)
Clerk III, NP-7	(NYSSILR (NYC))
* Steno II, NP-6	(Agronomy)
* Department Secretary, A-13	(SASS)
Department Secretary, A-13	(Graphic Arts Services)
* Department Secretary, A-13	(Office of the Dean of Students)
Department Secretary, A-13	(DMLL)
* Steno A-11	(University Development)
ADMINISTRATIVE POSITIONS	
Controller (Administrative)	
Associate Director, CPO8	(Materials Science Center)
Assoc. Dir. Educational Affairs, CPO7	(COSEP)
Senior Computer Staff Specialist, CPO6	(MSA-Administration Computing)
Director of Public Affairs for	
Physical Education & Athletics	(Public Affairs)
Student Dev. Specialist II, CPO3	(NYSSILR (NYC))
Professional Chef, CPO5	(Dining Services)
Admin. Manager II, Business CPO5	(Vet. Diagnostic Lab.)
Retail Manager II, CPO4	(Cornell Campus Store)
Curatorial Assoc. CPO4	(Section of Ecology & Systematics)
Editor II, CPO4	(Media Services)
Computer Staff Specialist I, CPO5	(Office of Computer Services)
Applications Programmer I, CPO3	(Office of Computer Services)
TECHNICAL POSITIONS	
Sr. Elec. Technician, A-21	(Chemistry)
Utility Plant Operator, A-20	(Physical Plant Operations)
Senior Lab. Tech. A-18	(Biochemistry, Molecular & Cell Bio.)
Maintenance Mech. A-18	(Physical Plant Operations)
Computer Operator I, A-17	(Computer Services)
Research Tech. IV, NP-14	(Agri. Engineering)
Asst. Dairy Cattle Supt. NP-12	(Animal Science (pending funding))
* Lab. Tech. II, NP-11	(Plant Pathology)
* Janitor, NP-6 (5)	(Physical Plant Operations)
Refrigeration Mech. (Physical Plant Operations)	
Control Mechanic (Physical Plant Operations)	
* Head Custodian, A-13	(Physical Plant Operations)
* Custodian, A-13	(Student Housing)
* Custodian, A-13	(Campus Store)
Research Support Spec. I, CPO3	(Vet. Microbiology)
Research Support Specialist I, CPO3	(Ecology & Systematics (grant))
Research Support Specialist II, CPO4	(Food Science & Technology (G))
Research Support Specialist II, CPO4	(Agricultural Engineering)
ACADEMIC AND FACULTY POSITIONS (Contact Department Chairperson)	
* Postdoctoral Associate, N.S.	(Genetics, Dev. & Physiology (1 year appointment))
Research Associate II, CPO4	(Lab. of Plasma Studies (12 month appointment))
Research Associate II, CPO4	(Materials Science & Engr. (1 year appointment))
Research Associate II, CPO4 (2)	(Lab. of Nuclear Studies (1 year appointment))
* Extension Associate II, CPO4	(Human Dev. & Family Studies)
Extension Associate IV, CPO6	(Agri. & Life Sciences (Office of the Dean))
Assistant Professor of History	(College of Arts & Sciences (Flint Michigan))
Assistant Professor (LASSP)	
Assistant Professor (2)	(Div. of Biological Sciences)
Assistant Professor	(Department of Theoretical & Applied Mechanics)
* Assistant Professor	(Chemical Engineering)
* Assistant Professor (5)	(Department of Economics)
* Assistant Professor of Law (3)	(Cornell Law School)
* Chair of American Enterprise	(B&PA)
Assistant Professor	(Section of Neurobiology & Behavior)
Associate Professor	(College of Arts & Sciences)
Anesthesiologist	(NYS College of Vet. Medicine)
* Insect Physiologist	(College of Agriculture)
Clinical Radiologist	(NYS College of Vet. Medicine)
Medicine	(NYS College of Vet. Medicine)

Continued on Page 4

ate Postpones Bill Debatable Subjects

at a major change in Senate operations failed to vote for lack of quorum after a long debate Tuesday.

Legislative Filter—Act 1." designed to answer the Senate spends expenditures of time considering non-controversial matters to be handled more efficiently through its various subcommittees.

Campus-Life Committee would establish several committees for calling only campus-wide issues to the Senate as a whole.

ed, an issue could be brought to the Senate as a whole.

ombination of the following items:

riority vote of the Senate on items directly concerned with the following:

(a) a petition signed by members of the Cornell community;

(b) 40 per cent vote of the freshman membership of the Senate;

(c) a two-thirds vote of the Life Committee.

forms of the bill, a "major change in the Senate," have been discussed for more than two years in many ways.

recommendations of the President's (Chester) Commission on Self-Governance.

At the conclusion of the hour's time allotted for debating the proposal, William D. Gurowitz, vice president for campus affairs, moved that a vote on the bill be postponed until the Nov. 30 meeting of the Senate. He said there were too many things unclear with the current form of the bill and the senators had not had sufficient time to study the current proposal sufficiently to make a decision that night.

His motion was defeated soundly but a call for a quorum count blocked any vote on the bill at least until the Nov. 30 meeting. The count revealed 19 senators present. Thirty-two are needed for a quorum.

In other business the Senate was presented copies of the proposed 1977-78 budget for the Division of Campus Life as well as for athletics, health services and museums. The Senate will consider budget amendments and possible deletions at its Nov. 30 meeting with a final budget vote scheduled for Dec. 7. Copies of the proposed budgets G-60 and G-61 may be obtained in the Senate Office, 133 Day Hall.



They're Part of the Cornell Contingent to the Community Band

ulty Develop New missions Analysis

ethod of analyzing admission patterns developed by a committee indicates that tuition fees have apparently not been a major factor in the decision of prospective students to attend the endowed units of the college.

is, developed and conducted by the Faculty Committee on the Budget of the Faculty Representatives (FCR), indicates that a study should be conducted to establish the causes of the decline in the number of students who would decide to attend the College of Arts and Sciences if offered admission.

the key "thoughts" of the analysis according to the professor of physics, presented before the FCR last week. The chairman of the committee presented a two-page report on the method.

of the method is to provide a more sophisticated way of

measuring the actual number of persons who desire admission to Cornell's endowed divisions than the current system.

Using statistical information over the past five years the committee developed what it considers a better numerical indicator of this quantity. This indicator is termed the "Reserve Applicant Ratio." Arrived at through a formula devised by the committee, the number shows how many students out of the total applicant pool would actually matriculate at Cornell if offered admission as compared to the number who do matriculate.

For example, this year in the Arts College there were, according to the new method of analysis, 1.5 additional students who would matriculate in the Arts College if offered admission for every one who actually did matriculate. In 1972 there were approximately two such students for every actual matriculant. On the other hand in 1972 the School of Hotel Administration's Reserve Applicant Ratio was 1.5 students and this year it was 2.5.

Details of the method are explained in the committee's two-page report titled "Some Thoughts on Admission Patterns of Endowed Units From 1972-1976."

See the Faculty Page for details of the report.

Free Christmas Concert

It's a Community Effort

Every Wednesday night, eight Cornell professors and instructors, seven staff members, one assistant dean and one first-year graduate student assemble at the Band Room of Boynton Junior High School. For two hours, they concentrate on sixteenth-notes instead of the next day's lecture, on Sousa instead of self-governance, on music instead of the job. They are members of the Ithaca Community Concert Band.

"There is nothing as wonderful as making music in an ensemble," said Charles F. Hockett, the Goldwin Smith Professor of Linguistics and Anthropology, who plays piccolo in the Community Band. Hockett has played the flute since he was 11 years old, and he played piccolo through high school and college. Then he put his piccolo away for 40 years.

"I wasn't a good enough player to compete for places in groups against professionals or students with professional orientation. And there just wasn't a place for other people on the Ithaca music scene," he said.

"This Bicentennial year was a fine year for Ithacans to revive the tradition of a community band," Hockett added, recalling images of turn-of-the-century Sunday afternoon concerts in the bandstand in the park. "It's a good old American institution."

Douglass Payne, technical associate for the Department of Natural Resources, first met his wife Jean, now an associate librarian at Olin Library, in the Cornell University Symphony in 1936.

"We gave up playing after graduation because there was no organization to play with," he said. "So we hadn't played for maybe 35 years before the Ithaca Community Concert Band came along."

When Payne joined the community band, he found among its members several old friends with whom he had played in Ithaca High and Cornell bands. "Music meant a lot to me," he continued. "It's great to be playing again."

But not all the Cornellians involved in the Community Concert Band have played their instruments in an ensemble before. Patricia Kirkwood, a violist and lecturer in the Department of Classics, is a self-taught French horn player.

Kirkwood became interested in the French horn through her son, who took up the instrument in school. When the family was living in Europe some years ago, Kirkwood attended her son's music lessons in order to translate the comments of the Greek and Italian instructors for him.

"Eventually I just picked up an extra horn my son had and decided I would like to make those sounds," she said.

Since joining the band, Kirkwood has received some tips on playing from conductor Joan Beeler, who is a distinguished trumpet player as well. "She told me a couple things that made a tremendous difference," Kirkwood said. "And I have learned so much from playing in an ensemble. Only playing in a band teaches me how to play in a band. It's just marvelous."

Chuck Hotchkiss, a first year graduate student in city planning, missed auditions for the Cornell band this fall. "I certainly didn't want to drop out of the music picture entirely so I joined the Community Band."

But Hotchkiss has found more in the band than a chance to play the clarinet. "I've met a lot of people from the community and made some contacts I wouldn't have made otherwise," he said. "The Community Band is more fun than a lot of other organizations because of its informal atmosphere. But we do some pretty respectable music and I think we do a pretty good job," he added.

The 60-member Ithaca Community Concert Band has given five concerts since it first was formed in May. Two have been on the Ithaca Commons, one at the Brooktondale Apple Festival, one on July 4 at Stewart Park and one at the Lakeside Nursing Home. Concert number six, the band's first Christmas concert, will be on stage at the State Theater at 8 p.m. Thursday, Dec. 2. Admission is free.

—Wendy Zomparelli



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Chronicle Comment

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

NYCLU Defends Cornell Senate

Editor:

The Cornell Chapter of the New York Civil Liberties Union considers the Commission on Self-Governance recommendations ill advised and inadequate for the protection of the fundamental rights of members of the Cornell Community. If a substitute body is to be proposed it should effectively represent and protect the community's interest.

The Senate has been successful in defending civil liberties in certain areas:

1. The Senate adopted the Statement of Student Rights and proposed a Bill of Rights that have articulated the rights of members of the Cornell Community.
2. The Senate provided an effective forum for the resolution of the controversy surrounding the photographic file of potentially disruptive students and the subpoena of student records.
3. The Senate has been instrumental in attaining equal access to athletic facilities and funds for both sexes.
4. The Senate has been instrumental in bringing the faculty to address the issues of discrimination on account of observance of

religious holidays and the lack of due process in academic integrity hearings.

5. The Senate's Privacy of Student Records Committee and its predecessor, the Student Information System Committee have provided the only community forum to guarantee student's privacy rights in this area.

The Community must ask whether the proposed body would be at least as competent as the present system to articulate and protect the rights of its members. The Cornell Chapter of NYCLU believes that the proposed body could not.

Debra Fried, Chairperson

University Libraries Fear Role Reduction

Editor:

On Nov. 2, the Academic Assembly of the Cornell University Libraries adopted a resolution in response to the Report of the President's Commission on Self-Governance. The resolution follows:

The Academic Assembly of Cornell University Libraries objects to any reduction of its role in University governance. Replacing the University Senate by a University Assembly limited to an advisory function would result in such a reduction.

By legislation of the Board of Trustees enacted in 1975, the

University Libraries was designated an academic division of Cornell University. Therefore, whatever representation is afforded to each academic division should be provided to the Academic Assembly of the University Libraries.

In view of our record of active participation in Senate affairs and in other bodies for campus governance such as the judicial boards, we find the apparent ignorance of our existence on the part of the Chester Commission to be particularly regrettable.

*Donald C. Robbins
Chairman, Steering Committee*

Employe Football Day 'A Success'

Editor:

The Employe Recognition Day football game and barbecue was a great success. And the team even put it all together to win a home game! Perhaps the extra cheers gave them the added spirit to do so. Credit and thanks go to a lot of people. Apologies from Dining Services for the problems they encountered in getting the chicken done on time but otherwise they did an excellent job. Special thanks go to Judy Hart and Lelani Woodruff for their cooperation.

Senior Vice President William Herbster, Vice President Sam Lawrence and Dedrich Willers are to be complimented for the way they pitched in to help. Athletic Director Dick Schultz is to be congratulated for including this event in his plans to promote the Cornell athletic program.

It's a credit to all who helped that without a rehearsal or any advanced assigning of duties the whole affair worked out so well. As always those of us who helped serve had the most fun. It's fun to work for a winning team! With this kind of esprit de corps it is conceivable that Cornell University will climb to the top in many more ways than one.

All of the following (plus a few others who are left out due to error

in record-keeping) are to be thanked for agreeing to help out and then doing such a fine job: Anthony Babaro, John Bender, William Boyes, Irene Brown, Ron Clayton, Nancy Elliott, John Gross, Phyllis Gross, Ed Hollenbeck, David Horrocks, Steve Jalso, Carl Jones, Kelli Jones, Bruce Lloyd, Ed Maynard, Roger McCarthy, Carolyn McGory, Henry

McPeak, Connie Murray, Jim Palcic, Bill Paleen, Micki Parsons, Morris Peck, Gloria Peter, Jane Pirko, Donna Raynsford, Al Reed, Jack Rogers, Selvarajah, Jerry Sherman, Steven Simpson, Gerry Thomas, Elizabeth Thorn, Elmer Van Arkel.

*George Peter
Employe Trustee*

Flu Vaccination Clinic 'Went Smoothly'

Editor:

I want to thank all the members of the Cornell community who organized, administered and participated in the recent swine flu program. Vaccination of the community was a large program and a difficult one from an operational viewpoint. It had to rely not only on the staff of the University Health Services, but also on a large number of community volunteers.

The clinics went smoothly. All of the people involved — those working at the clinics and those being vaccinated — participated cheerfully and in a friendly manner. It was gratifying to see members of the community working together in such fashion.

I want to thank Dr. Allyn Ley, Director of Health Services, Dr. Ralph Alexander, the Health Services physician who was in charge of the vaccination program, and all of the Health Services staff whose participation was clearly above and beyond their regular duties.

I want to especially thank Alpha Phi Omega, CIVITAS, and the other members of the Cornell community who volunteered their services. Without this participation, the clinics could not have been held.

A thanks is due also to all those Cornellians who participated in the vaccination program in a positive and constructive manner.

*William D. Gurowitz
Vice President for Campus Affairs*

Holiday Regulation For Parking Explai

University employes will be allowed to park in all legal parking areas on the Cornell campus during the Thanksgiving holiday period from Thursday, Nov. 25, through Sunday, Nov. 28, and during the Christmas holiday period from Friday, Dec. 24, through Sunday, Jan. 2, 1977. There will be no regular on-campus bus service during these periods, according to David W. Brown, director, Transportation Services.

In addition, the Traffic Bureau will

Observatory, Typists Listed



Looking for options on how to spend Friday night? Fuertes located on the east end of Beebe lake opens at 9:30 p.m. every day evening.

John Houck and the astronomy graduate students are using the 12-inch refractor telescope. Persons interested in visiting the observatory should call, 6-3557, to make sure it is clear enough to open. There is an astronomy club on campus which has access to the observatory although they have not been very active in recent years.

A companion observatory at Mount Pleasant is used as a facility, so it is open to the public less frequently. Persons with interest in astronomy may contact George Gull at 6-4508 in order to obtain access to the observatory. The Mount Pleasant Observatory has a 25-inch reflecting telescope built by Gull and Houck.

Further questions about either observatory may be directed to the Academic Resources Center in the lobby of Uris Library.

One of the many questions directed to the ARC desk, is whether a typist. This question will be asked more frequently as term progresses.

ARC does have a list of professional typists who specialize in pica typing in all areas including those of engineering, chemistry, physics. These are local people and not all of them will pick-up the papers they type, which keeps many students from using the service.

ARC would like to supplement this list with a list of student typists from campus colleegetown typists. Typists should send their name, phone number, rates and such specialties as editing and proofreading to the Academic Resources Center, Uris Library, Cornell University.

Job Opportunities

Continued from Page 2

- Surgery (NYS College of Vet. Medicine)
- These are all regular full-time positions unless otherwise specified.*
- PART-TIME AND TEMPORARY POSITIONS**
- (All Temporary and Part-time positions are also listed with Employment)*
- Administrative Aide, I, NP-11 (NYSSILR - NYC) (1 year appointment)
- Clerk (Vet. Administration (temp. p/t))
- Clerical-Typist (Coop. Exten. (NYC) (temp. p/t))
- Steno. I, NP-5 (Agri. Engineering (temp. f/t))
- * Kitchen Helper, NP-5 (Human Dev. & Family Studies (temp. p/t))
- * Principal Clerk, A-14 (Fellowship Office - Graduate School (temp. p/t))
- Department Secretary, A-13 (Div. of Biological Sciences (perm. p/t))
- Department Secretary, A-13 (Biological Sciences (perm. p/t))
- * Temp. Service Clerk (Adm. Support Services (temp. p/t))
- Program Aide NS (3) (Coop. Ext. Admin. (Nassau Co.) (temp. p/t))
- * Lab. Assistant I, NP-3 (Div. of Nutritional Sciences (temp. p/t))
- Dairy Worker, NP-5 (Animal Science (temp. p/t) (Chazy, N.Y.))
- * Technical Aide (M.S. & E. (perm. p/t))
- Lab. Tech., A-15 (Biochemistry, Molecular & Cell Bio. (perm. p/t))
- Research Tech. NP-12 (Natural Resources (temp. f/t))
- Lab. Tech. II, NP-11 (Diagnostic Lab.)
- Technical Aide, NP-9 (Natural Resources (temp. f/t))
- * Research Tech. I, NP-8 (Entomology (Geneva))
- Research Tech. I, NP-8 (Food Science (temp. p/t))
- * Research Tech. I, NP-8 (Div. of Nutritional Sciences (temp. p/t))
- * Lab. Assistant III, NP-5 (Neurobiology & Behavior (temp. p/t))
- Research Support Spec. I, CPO3 (Agronomy (through 6/30/77))
- * Research Support Spec. I, CPO3 (Entomology (Geneva) (temp. p/t))
- Research Support Spec. III, CPO5 (NYSSILR - NYC)
- Research Support Spec. III, CPO5 (Agronomy)
- Research Support Spec. I, CPO3 (Education (through 6/30/77))
- Research Support Spec. I, CPO3 (Vet. Physiology, Biochemistry, Pharmacology (temp. f/t))

Watson Opens Series

DNA Research Is Topic

James D. Watson, who shared the 1962 Nobel Prize for Physiology and Medicine with Francis Crick and Maurice Wilkins for deducing the structure of the DNA molecule and who has been an outspoken critic of those who advocate banning recombinant DNA research, will deliver a public lecture on "The Ethics of Experiments with Recombinant DNA" at 8 p.m. Monday, Nov. 29, in Bailey Hall.

The lecture is the first in a series of free, public lectures on "Genetic Technology and Society" to be held at Cornell this academic year. The series, sponsored by the University's Division of Biological Sciences and the Program on Science, Technology and Society, will include speakers on the recombinant DNA issue and on other current issues in

genetic technology and society.

Research on recombinant DNA has been controversial since the techniques for it were developed in the early 1970s. The research uses sophisticated biochemical techniques to recombine genes of similar or totally unrelated organisms and possibly to create new forms of life.

Recombinant DNA research offers the hope of repairing genetic disorders in people and creating desired characteristics in other animals and plants, but it also could be used to create dangerous organisms not subject to normal control.

Scientists themselves were the first to realize the possible dangers of their research and following a self-imposed moratorium on such research, they agreed during a 1975

conference in Asilomar, Calif., to safety standards for the research in the United States. In June, the National Institutes of Health (NIH) issued formal guidelines for recombinant-DNA research it funds, based on the standards set at Asilomar.

Despite the NIH guidelines, the City Council of Cambridge, Mass. has called for a "good faith moratorium" on certain kinds of recombinant DNA research. The Environmental Defense Fund, the Natural Resources Defense Council and other groups have called for broader application of the guidelines, and last month the New York State Attorney General's Office held hearings to determine whether more comprehensive controls on such research should be imposed in New York.

Music Department Programs

Free Concerts Planned

Performances by the Cornell Chorus, Cornell Symphonic Band and by guest artist George Pappastavrou round out November's free concerts sponsored by the Department of Music. All are open to the public.

The Cornell Chorus, under the direction of Thomas A. Sokol, will perform Gabriel Faure's "Messe Basse" for women's voices and "Cantata 1952" by Igor Stravinsky at 8:15 p.m. Sunday, Nov. 21, at Sage Chapel.

Also included on the program is Giuseppe Verdi's "Laudi alla Vergine Maria," whose text is taken from the final canto of Dante's "Paradiso." Three 16th century madrigals will be performed by the "Nothing But Tre-

ble" singers, directed by David Janower.

Composer Karel Husa will make a special appearance as guest conductor of the Cornell Symphonic Band in a performance of his Concerto for Trumpet and Wind Orchestra at 4:30 p.m. Monday, Nov. 22, at the Memorial Room of Willard Straight Hall. Marice Stith, director of the University Bands, will be trumpet soloist.

The Contemporary Music Festival continues with a performance of piano works by American composers at 8:15 p.m. Tuesday, Nov. 30, at Barnes Hall. George Pappastavrou, professor of piano at

Syracuse University's School of Music, is featured performer.

The program will include Four Tone Pictures (1939) by Wallingford Riegger, the Vivace from Aaron Copland's Sonata (1939-41), "Doors" (1976) by Cornell composer Ann Silsbee, plus works by Ruggles, Cowell, Eaton and Sessions.

Also featured on the program is Charles Ives' Three Quarter-Tone Pieces for two pianos tuned a quarter-tone apart. Pappastavrou will be assisted in the performance of this work by Alexander Dashnaw.

Pappastavrou is well known for his performances of American contemporary music. In 1974 he was invited by the Soviet Ministry of Culture to play a program of American music on tour in Moscow, Leningrad and Kiev. Pappastavrou also lectured on American piano music in the Soviet Union.

Students Win First Award in Arc Welding

A design for storing liquid natural gas in large tanks, developed last year by three graduate students at the College of Engineering, has earned them a "first award" of \$1,250 in the James F. Lincoln Arc Welding Foundation's annual engineering and design competition.

Winners of the first award are John Grant of Newton Square, Pa., Joseph Engels of Flushing, N.Y. and Francisco deValdenebro of Cauca, Colombia, S. America.

Three Cornell undergraduates in the College of Engineering were awarded a third place award of \$500 for their design of a bridge over Cascadilla Gorge at Eddy Street in Ithaca. They are John T. Carr of Rome, N.Y., Gary T. Nelson of Saugerties, N.Y., and Jaehoon Park of Jamaica, N.Y.

Two groups of Cornell engineering undergraduates won fourth awards of \$250 in the competition. Robert S. Morse of Fairfield Bay, Ark. and Richard S. Gallagher of

Ithaca were cited for their design of a performing arts center for Ithaca. Alan Plumley of Maryland, Del., and Jeffrey W. Struble of Pittsburgh, Pa. was recognized for their report on the final design of a bridge over Cayuga Inlet.

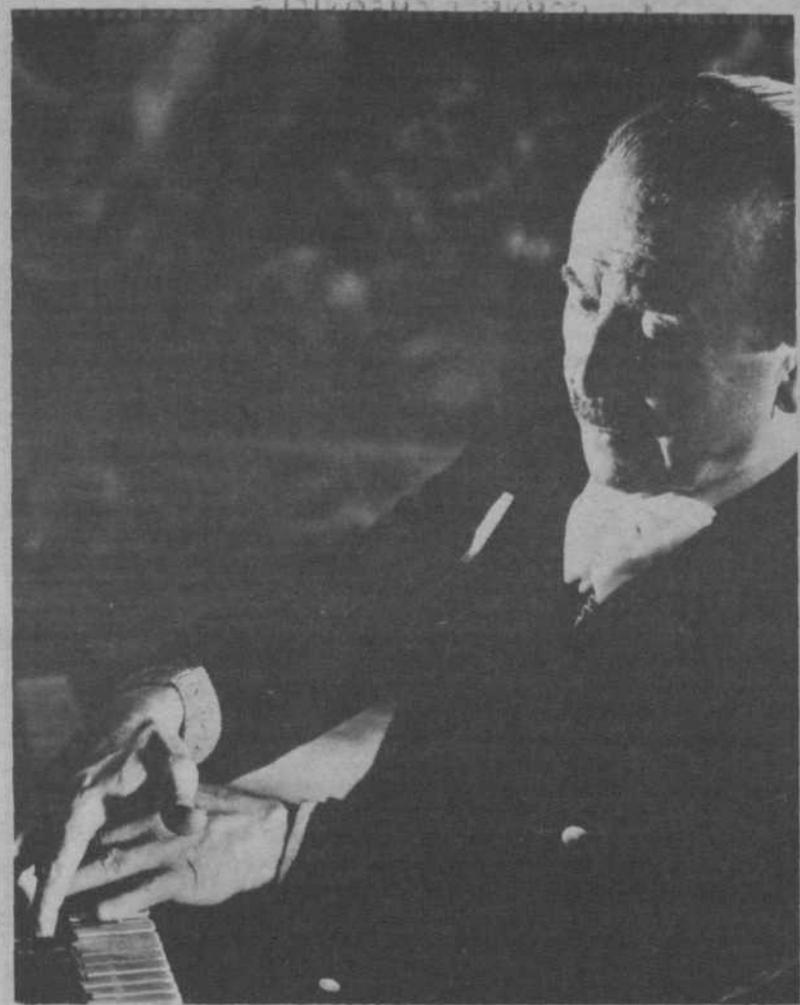
Engineering Student Earns Scholarship

Midshipman Robert M. Glidden III of Yarmouth, Me., a fourth-year student in the School of Electrical Engineering, has been awarded the Society of American Military Engineers Scholarship Award for 1976-77. Glidden is on a one-year leave of absence from the Naval Reserve Officer Training Corps program to pursue a master's degree.

The award, a \$750 stipend to be applied toward tuition and fees, is presented annually by the New York

City Chapter of the Society of American Military Engineers to an engineering student in any of the military services who has achieved a record of academic and military distinction. Glidden is the first student at Cornell to receive the award.

Glidden was a midshipman company commander as a junior, has been on the dean's list every semester at Cornell, and is currently president of the Cornell Chapter of Tau Beta Pi, the engineering honorary society.



Claudio Arrau

Arrau to Perform Next Bailey Concert

"One regards Arrau as a sort of miracle," said the London, Sunday Times. "He makes the piano live, like God teaching Adam on Michelangelo's Sistine Chapel roof; liquid, mysterious, profound, alive."

Claudio Arrau, frequently described with such phrases as "the King of Pianists," "the Prince of Players," or "one of the supreme keyboard masters of the century," will make his first Ithaca concert appearance in almost 20 years at 8:15 p.m. Friday, Dec. 3, as part of the Bailey Hall concert series.

Arrau will perform Beethoven's Sonata in E Major, Op. 109, Liszt's Sonata in B minor and Brahms's Sonata in F minor, Op. 5.

A limited number of single admission tickets are on sale at the Lincoln Hall ticket office, open from 9 a.m. to 1 p.m. Monday through Friday (256-5144). Free bus service will be provided beginning at 7:30 p.m. on the night of the performance between the B parking lot, Dairy Bar and Bailey Hall.

The Chilean-born virtuoso was able to play a Beethoven sonata off the printed page at the age of 4 without having had any formal training. He gave his first recital at 5 in Santiago, and at the age of 7 was sent by the Chilean government to Berlin for further study.

Arrau studied with Martin Krause, who was himself a pupil of Franz Liszt. Krause gave the young pianist lessons almost every day.

Krause died when Arrau was 15 years old. Arrau never accepted another teacher, but continued to study on his own, as he does to this day. At the age of 16 he won the coveted Liszt prize and took it again the following year.

Arrau's career is studded with important prizes and "firsts." In 1935, for example, he became the first pianist ever to play the complete keyboard works of J.S. Bach in a series of 12 recitals.

Arrau also has done extensive work in the field of musical annotation and editing. He has just completed a new edition of the Beethoven piano sonatas for the Frankfurt publishing firm Peters. A performing Urtext edition, it includes all the Arrau fingerings, tempi, dynamics, pedaling and performance suggestions.

Arrau's edition reflects his strong opinions on the "right" way to play Beethoven. "Speaking of textual fidelity," he said, "we come to the matter of rearranging passages to make it easier for the performer. For me that is like the red cape to the bull."

"I do not say this out of pedantry, but because when you play a passage written for one hand with two hands it sounds different. If Beethoven wanted a passage to sound as if played with alternating hands he would have written it that way."

Arrau also has strong ideas about performance technique and the best way to teach it. "I've always had that (technique). My teacher let me play like a little animal, and he was right to do that. Children have this quality, and then teachers try to take it out of them. But any kind of 'method' is almost by definition artificial."

"One has to play with one's entire body and do whatever movements come to mind to solve a particular difficulty," he said.

The table on major proposed changes in the budget can be read as follows: (I) "Built-in" changes reflect revenues and expenses which can be anticipated in 1977-78 through continuation of existing policies and programs. The increases in revenues which might be expected from increased giving and improved investment results are in part offset by the reduced payout from the Capital Fund.

On the cost side these figures include the effect of inflation, prior commitments and government-imposed costs.

Part (II) shows potential increases in revenue and reductions in cost. The tuition increase of 7 per cent, with the proportional increase in financial aid, and cost reduction and research overhead goals are shown here. The net effect is to increase resources by \$2,785,000.

Part (III), "Other Resources," identifies other changes taking place within the budget which have the effect of freeing up resources that can be applied to other costs.

Part (IV) is the total of parts (I) (II) and (III) — \$2,157,000. This is the amount currently estimated available for the University's needs.

Part (V) shows a range of proposed claims on these resources. These include plant maintenance, libraries, new academic programs and other needs. The cost of salary increases and adjustments in fringe benefits are also estimated. The net effect is that claims exceed the resources available. The University plans to present a balanced budget to the Trustees in January. The preliminary figures, therefore, will be revised in the next few weeks.

MAJOR CHANGES
ENDOWED COLLEGES BUDGET 1977-78 vs. 1976-77
GENERAL PURPOSE FUNDS IN 000's

	INCOME AND OTHER RESOURCES	EXPENSE	NET CHANGE
I. "BUILT-IN" INCOME AND EXPENSE CHANGES:			
Anticipated new income (a 6.2% increase on an \$18.7 million base)			
--investments @ 5%	320		
--gifts @ 11%	390		
--research recoveries @ 5%	300		
--all others @ 5%	152		
Anticipated loss of income:			
Reduced tuition from enrollment changes and accessory instruction	(100)		
Lower capital fund pay-out:			
Reduces general purpose revenue by	(220)		
Reduces financial aid and other funds by	(125)		
Lower investment income resulting from use of capital for critical maintenance (\$2.2 million @ 7.5%)	(165)		
Inflationary adjustments, non-salary expense--(a 6% increase on a \$17 million base)			
--library books at 11%		135	
--energy costs @ 9%		370	
--general expense @ 3%		150	
--all other supplies, insurance and institutional costs at 5%		360	
Continuation of prior commitments for increased program support--biology, minority programs 370/168 computer acquisition, etc.		695	
Annualization of fringe benefit rate which increased to 20.5% 1/1/77		240	
Increased Statutory & Medical CGTS cost		50	
Sub-total Net "Built-in" Factors	552	2000	(1448)
II. POTENTIAL INCREASE IN 77-8 FUNDS FROM PRICING INCREASES AND COST REDUCTIONS:			
Tuition increase, Endowed units @ 7%	2,918		
Less Financial Aid in proportion		1,033	
Increase in research overhead recovery, assuming 3 point increase in recovery rate	300		
Cost reduction target, deduct from expense		(600)	
Sub-total Pricing & Cost Reduction Actions	3,218	433	2,785
III. OTHER RESOURCES			
Funds applied in 1976-77 to "one-time" projects (e.g., the special one-time \$500 thousand appropriation for critical "catch up" maintenance)	725		
Margin of 1976-77 anticipated income vs. expense	95		820
IV. NET FUNDS AVAILABLE FOR STRENGTHENING ACADEMIC, LIBRARY, PLANT, AND STUDENT SERVICE PROGRAMS: FOR FUND RAISING AND OPERATING EXPENSE: AND FOR MERIT SALARY INCREASES			
			2,157
V. POSSIBLE INCREASES, BASED ON COLLEGE AND DEPARTMENTAL BUDGETS, OVER AND ABOVE "BUILT-IN" INFLATIONARY AND OTHER ADJUSTMENTS ("I" ABOVE)			
		EXPENSE	(in the range of)
Plant maintenance	500	1,500	
Libraries, including increased book purchase funds (\$50), offsite storage (\$325), planning, development, security and other costs (approximately \$325)	200	700	
New and strengthened academic programs--approx.	150	400	
Student service and support operations, including Personnel, legal, and fiscal services; admissions and governmental affairs, approx.	150	300	
Cornell campaign and related costs--approx.	150	300	
Increased fellowship support, graduate and professional students	125	200	
Increased funding for merit salary increases and fringe benefit adjustments	2,200	2,800	
Subtotal, proposed increases over and above "built-in" changes	3,475	6,200	

Corson Letter on Budget

'Some Change Inevitable'

I am providing the Senate and the Cornell community with preliminary 1977-78 budget figures for Endowed College general purpose funds. These figures will be reviewed and refined over the next two months. The final budget will be adopted by the Board of Trustees at its January meeting.

I currently plan to recommend to the Trustees an increase in tuition for the endowed undergraduate units of seven percent, with roughly comparable increases for the statutory units and professional schools. The exact figures for these other units are yet to be determined. Out-of-state tuition for the statutory units will rise more rapidly, as has been the case in each of the past several years.

These increases will be accompanied by proportional increases in the budget allocation for financial aid.

I indicated earlier this year, as did members of the Board of Trustees, that tuition can be expected to rise annually roughly at the rate of inflation in the U.S. economy. During the past year, the Consumer Price Index has risen 5.7 per cent, prices for services are up 8.7 per cent. Disposable Family Income is up 8.3 per cent. Although the rate of inflation has moderated recently compared to a year ago, we must recognize the erosion in the University's purchasing power which has already taken place and the possibility of a resurgence of inflationary pressures in the coming months.

Even with a seven per cent increase, the preliminary budget shows a substantial gap between revenue and expense. During the coming weeks, the administration will be seeking ways to close the gap in order to present a balanced budget to the Trustees.

This year we made an increased effort to involve the Senate, through its Planning Review Committee, as well as the Faculty Budget Committee and the Deans and Executive Officers in reviewing the budget options open to us. Each group was asked to weigh the trade-offs

among increases in the cost of running the University, means for increasing revenues, and expenditure savings through program and other cost reductions.

There was a close similarity among the responses from these groups, and the preliminary budget reflects these priorities.

The principal sources for new general purpose revenues are increases in gifts, tuition (minus financial aid increases), and research overheads. Options on the expense side include salary levels, plant

maintenance, library costs and new academic programs. In addition we must finance "built-in" cost increases occasioned by prior commitments, government legislation, insurance and energy costs, and other price inflation.

Increased use of capital is not an option. The Trustees have instructed the University to reduce the distribution beyond earnings from the Capital Fund. In 1976-77, the Capital Fund distribution beyond earnings on behalf of Ithaca opera-

The analyses presented here pertain only to general purpose funds for the endowed colleges at Ithaca. This is only a part of Cornell's total budget.

General purpose funds comprise about one-third of the total funding available for current operations on the Ithaca campus. The statutory college support totals some \$76 million, and auxiliary enterprises such as housing and dining some \$24 million.

Within the endowed colleges, other operating support totalling some \$44 million comes from restricted gifts, endowment income, research contracts and special programs.

There are also budgets for Cornell's units in New York City.

Although most of the general purpose funds presented here go to support the operations of the six endowed colleges, a portion of these funds supports various campus-wide services, the museum, the athletic program and the University's general administrative expenses. Contributions toward the costs of these services are assessed in part against the various units or recovered through research overheads. Such cost recoveries are taken into general purpose income and are estimated at \$13 million for 1976-77.

The table on estimates vs. actual results can be read as follows: Column (a) is the estimated surplus or deficit shown in the January budget, six months prior to the beginning of the year to which the budget applies. Column (b) shows the actual year-end results, with difference between the two shown in column (c). For three years the University ended the year less well-off than planned and for five years better off. Column (d) is the total amount of the budget. The last column shows the percentage of the total budget represented by the difference between actual results and initial estimates. For every year but two, the University has finished the year within one per cent of its initial budget.

The major portion of the 1975-76 improvement was in related activities and designated funds. The initial January budget estimate on the deficit in general purpose funds was \$1.5 million. The surplus actually achieved in this category was \$90 thousand. The improvement was 2.2 per cent of the base.

ESTIMATES VS. ACTUAL RESULTS

UNRESTRICTED FUNDS

ENDOWED COLLEGES AT ITHACA^{1/}

(000's)

	Surplus or (deficit) Jan. Budget (a)	Actual (b)	Difference (c)	Total Unr. Revenues ^{1/} (d)	Column c+d
1968-69-----	(2114)	(1855)	259	47,143	0.5
1969-70-----	(2081)	(1976)	105	55,983	0.2
1970-71-----	(2474)	(2629)	(155)	60,485	0.3
1971-72-----	(1567)	(1220)	347	65,192	0.5
1972-73-----	(1097)	(356)	741	79,431	1.0
1973-74-----	208	68			
1973-74 adj. ^{2/} -----	208	(700)	(908)	82,416	1.1
1974-75-----	19	(896)	(915)	90,117	1.0
1975-76-----	(1353)	2561	3914	95,336	4.1

^{1/} Includes designated funds and related activities. Total revenue includes the formula distribution from the Capital Fund.

^{2/} During 1973-74, major changes were introduced to conform Cornell's accounts to newly adopted accounting standards. The net impact of the changes was to improve recorded results in that one transitional year by approximately \$750 thousand.

Trade Unions And Women Study Funded

Alice Cook, professor emerita of industrial and labor relations at Cornell, has been awarded a \$95,000 grant by the German Marshall Fund to study trade unions and women in Germany, England, Belgium, Sweden and Austria.

Also working on the study are Val R. Lorwin, a labor specialist from the University of Colorado, and Roberta Retz, who obtained her graduate education at Colorado.

The researchers are investigating how women participate in trade unions — how they are recruited, what special organizational supports have been developed for them and how they can attain positions of leadership within the union.

Corson on Budget

Continued from Page 6
 tions (including distribution from restricted funds) will be about \$2.1 million. In 1977-78, we should reduce this amount by roughly \$300 thousand.

During 1975-76 and in the current year, we have been authorized by the Trustees as a temporary measure to use for operations up to \$750 thousand of funds which may be received as a result of unrestricted bequests. The preliminary figures assume continued expenditure of such bequests in 1977-78. If possible, we need to reduce our dependence also on this source of funds.

There has been concern expressed that budget assumptions are too conservative and that the University characteristically ends the year in a better position than it anticipated. Budgeting involves looking into the future. It is almost two years between the time budget estimates are first made and the time final results are known. Some change is inevitable.

The change is not as large as is often thought. Cornell has been consistently close — usually within one per cent — in its estimates. And the change is not always an improvement. In 1973-74 and 1974-75, for example, we ended the year less favorably than the budget had anticipated. In fact, for 1974-75, if we had not made a series of cost reductions during the year, such as a

freeze on employment, we would have been substantially less well off than the budget plan.

In 1975-76, the national economy improved, and Cornell's results were significantly better than the estimates which had been presented to the Trustees at the depth of the 1974-75 recession. Actions initiated by Cornell managers to increase income and reduce costs, particularly through lapsing funds from vacated positions, added further improvement. These improvements permitted many departments to overcome deficits which had accumulated in the prior two years and, in some cases, to set aside funds for future needs.

Attached to this letter are figures on the 1976-77 approved program, a table on our past estimates and actual results, and a table with accompanying text analyzing income and expense changes from 1976-77 to 1977-78. We are also releasing these figures to the local media so that the Cornell community may be aware of them.

Like most other American universities, Cornell is no longer in a period of overall growth, but in a "steady state." There are difficult decisions to be made in coming weeks as we analyze ways to bring projected revenues and expenses into balance. We would like to benefit from the advice of members of the Senate, the faculty and student body and staff members.



—Morris Peck, Photo Services

Here, This Is Too Hot for Me . . .

In the best administrative tradition, Senior Vice President William G. Herbster passes a hot item along to someone else. In this case, it's Roger E. McCarthy, controller for the University Press who's on the receiving end. The two were among the high-powered chefs who cooked chicken and other things for Employees Day before the Penn game Saturday.

Basketball Team to Play Egyptians

A mixture of youth, age and experience will come together at Barton Hall at 8 p.m. Friday when the Cornell basketball team plays an exhibition with the Egyptian National Team.

Admission will be \$2 for adults, \$1 for students with identification

and 50 cents for children under 14. Season ticket books will not be accepted for this game.

Most of the youth will be on Coach Ben Bluit's Big Red team. He plans to start three sophomores and will try to use all eight of his new players as much as possible.

The Egyptians range in age from 21 to 26 and have been playing together for several years.

Bluit plans to start seniors Stan Brown, 6-11 (Milwaukee, Wis.) and Bernard Vaughan, 5-9 (Lanham, Md.), sophs Toy Moody, 6-4 (South Bend, Ind.) and Mike Williams, 6-5 (Tulsa, Okla.) at the forwards and soph Kevin Halloran, 6-3 (Birmingham, Mich.) at guard.

"We'll get all of our players in the game," Bluit said, "but we especially want to get a good look at Cedric Carter and Simon Olafsson." Carter, 6-0 (Birmingham, Ala.) is an excellent all-around guard. Olafsson, 6-7 (Reykjavik, Iceland) is making a conversion to forward from center. Both started as freshmen last year.

Mintz To Take Leave For Health Reasons

Ben Mintz, sports information director at Cornell for 28 years, has taken an indefinite leave of absence for health reasons, according to Athletic Director Richard D. Schultz.

Mintz, 55, is a native Ithacan and a 1943 graduate of Cornell.

After two years in Europe as a field artillery officer in World War II, he was appointed, by retired Dean

of Athletics Robert J. Kane, as assistant in sports information, and became director in 1949.

In the mid-1950's he was instrumental in the launching of the Eastern College Athletic Conference service bureau in New York and was a charter member of the College Sports Information Directors of America organization.

Appointments

Dennis G. Shepherd of the Sibley School of Mechanical and Aerospace Engineering has been named the John Edson Sweet Professor of Mechanical Engineering.

Shepherd has been a member of the Cornell faculty since 1948 and is the only faculty member to receive the "Excellence in Teaching Award" of the Tau Beta Phi-Cornell Society of Engineers twice — in 1968 and in 1975.

Recently he also was awarded the Worcester Reed Warner Medal of the American Society of Mechanical Engineers "for his outstanding contributions to the permanent literature of engineering, particularly in the turbomachinery, gas turbine and fluid mechanics areas." The medal will be presented to Shepherd at the Society's annual

meeting in early December.

Thomas W. Leavitt, director of the Herbert F. Johnson Museum of Art, has announced the appointment of Robert C. Hobbs as adjunct curator of modern art.

Hobbs' primary responsibilities are in Cornell's Art History Department where he is assistant professor of art. His duties at the museum entail organizing exhibitions and working on preparation of the catalogue for the museum's permanent collection.

Hobbs earned his doctorate at the University of North Carolina at Chapel Hill and was a lecturer at Yale University before joining the Cornell faculty this year. He also has served as curator of education at the Mint Museum of Art, Charlotte, N.C. His awards include a Helena Rubenstein Fellowship in 1975, and

a Samuel H. Kress Fellowship in 1974.

Dr. Jeremiah A. Barondess, clinical professor of medicine at the Cornell University Medical College in New York City, has been re-elected to the Institute of Medicine for a five-year term.

The Institute of Medicine was chartered in 1970 by the National Academy of Sciences. It enlists distinguished members of the medical and other professions for the examination of policy matters pertaining to public health. Current activities include studies of alternatives to the existing medical malpractice system, of the functions of primary health care and who should perform them, and of the effectiveness of programs to assure quality of health care.



ENDOWED COLLEGES, ITHACA - GENERAL PURPOSE FUNDS	
Income and Expense Detail 1976-7 Amended Budget (in \$000's)	
I. Expense - Funds Required	
Salaries.....	\$36,660
Fringe Benefits.....	6,621
General Expense.....	4,900
Student Aid.....	9,906
Capital equipment, books and special funds.....	4,583
Book Funds.....	1,225
Computing.....	1,745
Debt Service.....	1,207
Plant Operations:	
Utilities.....	4,195
Repairs and maintenance.....	1,568
Undistributed:	
Centrally Managed Funds.....	787
College & Leave Contingencies.....	646
Less Lapses, Estimated.....	(550)
	\$73,493
II. Funds Available for Operations	
Tuition.....	\$48,400
Gifts.....	3,610
Investments.....	7,580
Public Funds.....	9,390
Other.....	2,813
TOTAL INCOME.....	\$71,793
Unrestricted Bequests.....	750
Capital Distribution in excess of income.....	1,045
TOTAL FUNDS AVAILABLE.....	\$73,588
III. Net Change in Fund Balances.....	95

Bulletin of the Faculty

MINUTES OF THE FCR MEETING
Nov. 10, 1976, Ives 110

Unlike the last meeting (no quorum), 20 more members than necessary for a quorum appeared and were called to order at 4:30 p.m. by Speaker J. Robert Cooke.

After correction and approval of minutes of the last two meetings, the dean of the faculty was recognized. He called attention to the upcoming referendum on prolonging the present (and last?) Senate for 60 days maximum. It is not to be a vote on approval or disapproval of the body. Because of the delay granted the Commission on Self-Governance for its final report, it seemed wiser to extend the term of the present Senate rather than go through an election of a new one which might last but a few weeks. The result of the referendum may lead to a vote of approval in the December FCR meeting.

He next cited a letter received from Dr. Ley of Health Services regarding requests for excuses for sick students who have been absent from classes. It is a 40-year policy to not write such excuses — "they are not supposed to be eighth graders." There has been no change in the policy: (1) Health Services will give no excuses; (2) a weekly list of students admitted or discharged from the infirmary or hospital is made available to deans; (3) a student so discharged will be given a statement to the effect; and (4) it may be verified that a student visited the clinic.

The dean called attention to the tax problem of one of our colleagues. The latter reported earned consultant fees as normal income rather, apparently, than as an unincorporated business. A judgment against him is now in appeal. All seemed in proper order but the tax court, going back to a case of the early 60s, decided otherwise. The dean wished to alert those who consult, write books, or otherwise earn on the outside, that they may fall under a like umbrella; if such income is greater than \$5,000, let the earner beware.

Finally, the dean reviewed the presidential search criteria to be used in judging a candidate. A guiding statement was written for the search groups. It speaks of scholarship; the candidate must have it in his own right or, at the least, understand and appreciate it; the person must have demonstrated interest and capacity for the administrative process — after all Cornell is a \$250 million complexity which requires a modicum level of administrative ability and willingness to face hard issues; a background in teaching and research, or some combination thereof, or, again, an understanding of such is advisable; the person should hold considered (if not our own) views on higher education and be articulate in expounding on the University mission.

To date 64 nominations have been received by the faculty committee from their some 1,400 constituents! The dean feels we can't be so limited in such an important matter. Nominations are still welcome and sought. A limit of ten names is kept in the top category of prospects, many are in a second group of real potential and still being studied, and a third group consists of back burner types. Study may move a name from the second group to the first, dropping one there to the second. No contacts have been made with any possible candidate.

The speaker then called on Professor Roger Battistella, chairman of the FCR Executive Committee. The committee has started to assess the faculty role in its governance and in University decision making. Pressure is on traditional forms of governance — what role will the faculty play — the real world is coming in on us; we're no longer in a "backwater" situation — more problems — increased complexity — succeeded by others more compelling — realities of decision making have

changed — traditional pattern may no longer work — we have come to play a passive role, to react to situations placed upon us — we become informed of decisions after the fact rather than helping to make them. Gloomy outlook. Has time arrived to try to do something? Areas the committee hopes to discuss were cited: To what extent has campus life deteriorated? Run-down buildings, abused landscape, have an indirect impact on learning atmosphere. How important? Who is responsible? Can anything be done from our end? — To what extent have the pressures of the modern world interfered with the education process? High absenteeism, mortality rates, stress related pressures leading to heart attack, depression, alcoholism, divorce, suicide don't help us. — To what extent have grades inflated and quality of instruction declined? Has the quality of the U.S. Ph.D. gone down? Are students playing too large a role? — What is the policy as regards the dropping of courses? It appears chaotic here. There should be some consistency and fairness shown students in different schools. It interacts on academic performance. — Are we happy with the recent "free speech" decision and what to do about the uncertainty left hanging as to due process and proper decorum in such circumstances? — Is faculty morale, creativity, etc. being stifled by bureaucratic processes here and about and, if so, how is that impacting on teaching and research? — Is the faculty expected to play any influential role in decision making and what is the reward to those involved in governance, committee work and the like; promotions are not frequently made on the basis of one's activity in such ways.

If such questions stand up under some scrutiny by the committee, they will likely be brought to the appropriate committees for serious study.

The speaker then recognized Professor Philip McCarthy, chairman of the Committee on Nominations and Elections. He announced nominations for the recently established standing Committee on Minority Education: for three tenured, non-FCR seats: Professors Sara Blackwell, Marjorie Devine, James Gross, Scott McMillin, Thomas Scott and Lloyd Street; for one non-tenured seat: Professors Donald Graham and Ronald Minor. For one tenured FCR seat to the Committee on Research Policies: Professors Bernard Rosen and Charles Wharton were nominated. No other names were forthcoming from the floor; the slates, being moved and seconded, were adopted in the vote.

The speaker then called on Professor Peter Stein, chairman of the Faculty Budget Committee; for what turned out to be an interesting report on their work. He had distributed at the door copies of "Some Thoughts on Admission Patterns of Endowed Units from 1972-1975," which came about because of some disturbing *Sun* stories on the use of waiting lists in the admission of students to the College of Arts and Sciences. Are students being driven away by the rising tuition? Our difficulties would at least be exacerbated, and we might not survive, if the consumers were not willing to pay the tuition. One is not long on the Budget Committee before it is realized that the well-being of the University depends on the tuition — something like 70-80 per cent of the income is right there. So it seemed important to look at admissions a bit.

A college always admits more than it can enroll. If you have 1,000 places, and past history says that only 50 per cent of those admitted come, you naturally admit 2,000. The yield is 50 per cent. In addition, the college places those next in line on a wait list. If, in a fluctuation, only 950 accept, then you take 50 off the wait list and admit them to make up the 1,000. (Actually, you probably play it a little safe because fluctuations can go both ways, so you don't even admit the full 2,000 in the first round.) The six endowed divisions of the University were asked for the number of applications, offers of admission made, acceptances (yield), and numbers drawn from the wait list for the period five years past.

Result: the wait list has no significance so far as being a reliable indicator of anything beyond fluctuation measure. It bounces too wildly up and down from year to year. So yield, possibly an indicator of quality, was looked at.

It is probably not too reliable itself actually, but the data are interesting. Stein showed plots, complete with statistical error bars, indicating no real trend in yields over the past five years. The yield plot for the total of the endowed units was consistent with the hypothesis that there is no trend; yield averages about 40 per cent.

Is the number of applications any indicator? Suppose for your 1,000 places you receive 10,000 applications. That might appear A-1 but would be not necessarily so: applicants are merely applying to many more places, giving you a false sense of security. So the committee looked at another quantity, something it calls the "Reserve Applicant Ratio," i.e., what is the *excess* out there willing to come? Take the number of applications times the yield factor, less the matriculants, all over the matriculant number; this is the same (the proof is left to the reader) as the number of applicants less the offers, all over the offers. If this ratio were to be unity, it would mean that for every student who comes, there is another out there who would do likewise if admitted. In Stein's plots of this quantity, the professional schools show a definite rise over the past five years; Law is not so clear. Arts and Sciences shows a steady decline, which may be ominous and deserving of study, but *in toto*, the endowed divisions show no essential change in the ratio, which would indicate that the tuition is not driving applicants from the endowed units of the University.

Professor Stein then gave a short lecture on the budget making process. Where, last year, he reported no meaningful interaction with the administration, he acknowledged full cooperation this year. There has been much exchange of views and, hopefully, input from the committee has been of some use, although there is no way of telling.

In a block diagram, he illustrated with a slide, the problem of inflow and outflow in the \$250 million operation. On the left of a schematic library tower, representing the University, were three boxes labeled "tuition," "investments" and "gifts," with arrows aimed at the tower. Inflow. Another arrow from "gifts" went to a blue box below labeled "capital reserves," with an arrow from it to the tower. More inflow. On the right were two boxes labeled "salaries and wages" and "utilities, books, etc." and arrows went from the tower to them. Outflow. "Research income" and "research expenses" cancel each other and do not help in paying the bills. Similarly, for "housing and dining"; they pay their way. Forget these. In the diagram, "tuition" is the large (some 70 per cent) inflow and "salaries and wages" the big (some 70 per cent also) outflow. So the *Sun* and the *Chronicle* are largely right when they say tuition pays our salaries. What freedom is there in control of the budget? Investments and gifts are not controllable; that leaves tuition and salaries in the main.

Our peculiar inflation really hurts; library books and utilities have risen far faster than the national rate. Also, gifts and contributions (including that from New York State) do not follow concurrently the national inflation. Legalistics prevent drawing much from the capital reserve. So there is not much latitude.

And now we plan to spend some \$10 million on maintenance and raise the yearly allotment for this to \$1.5 million — that's \$1,000 per faculty member! It's a limited world: where do you go? In the right-hand boxes, you can cut back; don't replace people who leave or retire; have austerity, as we have had. Or you can work on the left side; raise the tuition; increase enrollment, as the committee has suggested, fully aware that there would be problems. A long range view, suggested to the trustees' horror, would be to convince givers to not add to endowment but, rather, to pay for coal. Not popular; difficult understandably.

A last comment by Stein related to the *Sun's* labeling the budget pronouncements as dishonest. Is it? Stein felt it was not at all so. Just because budgeteers are conservative and perhaps have a built-in bias, they tend to overestimate deficits; with tuition they have no problem. But the inherent bias tends to make forecasts look worse than they turn out to be.

Professor Albert Silverman likes the model

for its simplification but, he asked, where is the criterion for establishing the health of the institution? Are we better or worse off than last year? Stein said the question made no sense. For example, the "capital reserve" box expands and contracts with Dow and Jones. Or, maybe we're okay this year, but a roof falls in next; you really can't answer so simply. But he sees us as probably reasonably safe for the next ten years. Silverman feels the study is meaningless if we can't answer that question. Stein can't help him further.

Professor Norman Potter has no argument with the model but reminds that the model fits only the endowed units and not so well the statutory units. Stein meant to stress that point and said they'd tried to do something there but the deans said to forget it; it wasn't under our control.

Following this, the speaker recognized Director of Admissions and Financial Aid Donald Dickason for a story on his operations. He cited the Chinese symbol for "crisis" as including those for "danger" and "opportunity." That's how he felt about his job. The two roles of the office were organized into one unit last year. There are a variety of pressures felt; vocationalism or careerism vs. the traditional values in a true education; more graduates than there are needs; costs. So there comes disenchantment with higher education. Between 1975 and 1990, the number of 18 year olds is to decline by 18 per cent; in New York State by 28 per cent! Certainly bad news for many of the some 120 institutions in the state. So the market (not referring to the big board) is bound to decline on the average. Various elements influence the marketing concept: the number of 18 year olds; the percentage of them graduating from high school; the going-to-college rate; and last, but not least, will people afford the Cornell education. The surveys indicate so far that the tuition relative to other spending is holding about constant. We need perception as to the market's willingness to pay, who is *not* applying?

In the admissions procedure, Cornell is a random recruiter; lots of paper and information go out and it sifts down to reach prospects. The admissions operation a decade ago spent some 50-man weeks a year in recruiting; now it is about five or six. There are many decision points for a prospect before (s)he enters Cornell doors. Among them, on which we impact, are: the identification of the student prospect, recruiting of same, selection of same, getting information to same, and selling of same on Cornell. It is important that recruiters (and presidents!) be articulate. A target in the marketing is getting across understanding of the entire University — its diversity has impact.

The office can not do everything. Some experimental programs are being tried to improve our image and recruiting out along the "southern rim," in Florida and Texas, in Northern N.Y., and elsewhere. The office is conscious of our ineffective drawing of minority students from Rochester, Syracuse and Buffalo. There is interaction with secondary school counselors of our own region. These are all external activities. Internally, it is valuable to have on-campus impact. A visit to Cornell makes a strong impression, sometimes for good, other times for ill.

In admissions, the "affordable" category is not separated out. We select without regard to finances. In financial aid there is \$7.2 million hard money in undergraduate help. Should we have 42 per cent of enrollees on scholarship? Should need be the sole criterion? Should there not be differential aid: State vs. endowed differential?

In response, Professor Howard Evans expressed the thought that the faculty is not well informed on aid and admissions policies but perhaps should be. Dickason would be happy to oblige if time permitted, and pointed out that much is the prerogative of the individual colleges and schools.

Time did not so permit. The gavel signaled adjournment on schedule at 6 p.m.

P.L. Hartman, Secretary





Dave Laks introduces Jackson to his new home in front of Bard Hall.

Jackson Ransomed; All Demands Are Met

Here on campus, indeed right on the edge of the Engineering Quad, crime reared its ugly head and went almost unnoticed. The Madagascar Organization, operating under a brace of "Godmothers" whose identity has never been established, managed to kidnap Jackson in a bold, daylight move just two weeks ago.

Jackson is a four legged character, all black and white and spotted. Faithful, trustworthy and loyal, Jackson has padded after Engineering student David Laks ever since 1973. With Cornell's classrooms closed to pets, Jackson found himself waiting long hours outside of Bard Hall in all kinds of Ithaca's infamous weather. This offended the Madagascar Organization.

The dognapping was preceded by a one liner in the Sun which simply said, "Jackson, Goodbye Bard Hall, Hello Madagascar." Following the dognap, the ransom notes began

and Dave Laks met every demand. If Jackson were to be returned, Dave would have to build a magnificent doghouse from materials which the Madagascar Organization provided. Such things as blankets and pillows, dog dishes and his name on the house were demanded and met. Two days later, Jackson was returned to his new home in front of Bard Hall at the edge of the Engineering Quad.

But things will never be the same. After gaining some five pounds at the hands of the Madagascars, Jackson shows little interest in his new dog house. He's glad to be back with Dave Laks, but on the other hand, those Godmothers in the Madagascar gang really know how to spoil a dog.

—Russ Hamilton

Postscript: A former assistant to the President has inquired if the new doghouse will sometime soon be formally dedicated as Jackson Hall.

Bus Passes Must Be Seen to Be Believed

Show those bus passes clearly to the driver when boarding campus buses. Please?

That is the request of the Department of Transportation, which points out that boarding procedures are slowed up considerably if the driver has to ask to see again a pass which he or she could not see clearly.

Two other developments with the bus service were announced this week:

The evening bus service originally scheduled to end Dec. 10 has been extended one week, and will end for

the semester on Dec. 17. It will resume on Jan. 24, 1977.

A bus stop will be added to existing AB routes, for pickup only, at the A lot exit on Jessup Rd. This will be for an experimental period from Nov. 29 to April 1, 1977. This stop can be accommodated within existing schedules.



Plant Breeding Develops New Cultural Technique

Farmers who need a plant resistant to a disease or herbicide, a grain richer in essential nutrients or a cash crop that can create its own fertilizer from atmospheric nitrogen may soon have the varieties they need through "plant breeding in a petri dish," a new cultural technique which adapts the techniques of microbial genetics to plants, according to Roy Chaleff, assistant professor of plant breeding and genetics, development and physiology.

Until fairly recently, Chaleff said, plant breeders had to grow whole fields of plants and select either those that looked "a little funny" to find varieties containing desired characteristics or employ laborious chemical analyses of individual plants.

Bacteriologists had a much easier time selecting mutant bacteria. A researcher interested in finding a bacterium resistant to a certain chemical, for example, might treat a culture of bacteria with a substance which induces genetic variability, then expose the culture to the chemical. Most of the bacteria would die upon contact, but those that survived would be resistant to the chemical. These bacteria could be isolated and made to reproduce, and their offspring also would have resistance to the chemical.

Chaleff and other researchers are applying these techniques of microbial genetics to plants. Single cells of plants — carrot and tobacco, for example — can be grown in petri dishes on culture media containing a chemical compound which kills all but mutants resistant to the compound. Resistant cells are transferred to fresh culture medium where they can reproduce, and — if treated with appropriate hormones — differentiate into whole plants which carry the resistance expressed in the single cell.

Chaleff is now attempting to apply the techniques used on tobacco to

rice. His aim is to create rice plants which contain higher than normal concentrations of several amino acids essential to human nutrition. The experiments, which are still in the preliminary stage, have yielded mutant cells which produce elevated levels of the desired amino acids, but Chaleff has not yet been able to obtain a complete plant capable of photosynthesis from the cells — only albinos which cannot survive because they cannot photosynthesize.

Microbial genetics has yet another application for plant breeders — one which Chaleff is just beginning to explore. It already has been demonstrated that plasmids, circular bits of the hereditary molecule DNA which float around in bacteria, can be opened up and made to incorporate a piece of DNA from another

organism. When the altered DNA is put back into the bacteria, the bacteria can "read" the gene and make a functional protein from the foreign segment.

If this technique could be extended to plants, Chaleff believes it might be possible to put a new gene derived from bacteria into a plant cell and to transfer to plants the ability to make more amino acids or the ability to capture atmospheric nitrogen and turn it into useable fertilizer.

Chaleff acknowledged that research involving recombinant DNA is extremely controversial, that in the wrong hands it could be dangerous. Work with plants is no exception, he added, since the bacteria used to carry the genes to plants would be hazardous to the plant, if not accidentally destroyed effectively.

Ask CIRCE



A recent question for someone who had been taken when only a child to visit a natural history museum at Cornell and who wondered if it existed, led CIRCE to discover that this University is rich in its abundant and well-curated specimens of survivors of the Flood.

At one time the central part of McGraw Hall was a large, dark, story Natural History Museum that held most of the University's natural history collections. Today most of these collections are scattered all over the campus. The Geological Sciences Department in Kimball Hall, for example, houses the plesiosaurus cast as well as other remnants from this museum. The Silliman mineralogy collection can be seen on the second floor of Kimball, by appointment only. Other minerals are on display on the third floor of Kimball and in the entranceway to Thurston Hall. The Cornell collection of Mollusks has found a home at 109 Dearborn Place, Triphammer Road, while the bottled brain collection ended up in the basement of Stimson Hall.

The University's insect collection was started in 1873 by John H. Spongberg. It has doubled in size in the last fifteen years and today there are more than five million insects in more than 10,000 drawers on Cornell Hall's fourth floor. Dr. Pechuman and a curatorial assistant are responsible for this research collection.

Among these insects one can find Vladimir Nabokov's collection of small-blues. Due to its size and rarity, the collection commands the attention of its small staff, and thus, appointments are necessary for students or faculty wishing to view the collection.

Mr. Franclemont's personal collection of insects native to Ithaca, upstate New York located on the third floor of Comstock is also available for viewing by appointment. Homeowners, farmers, or others who are more interested in identifying particular insects, and their possible uses on plants, will find the diagnostic lab on the first floor of Caldwell Hall helpful for this purpose.

Other insect displays are in cabinets in both Comstock and Cornell Halls.

In addition to the mounted birds displayed in Fernow and Silliman Halls, Langmuir Lab has approximately 60,000 bird and mammal skeletons under the care of curatorial associate, Rollin Bauer. The bird collection, begun by Louis Agassiz Fuertes and given to Cornell, represents nearly all species of birds found in North America are kept there — representatives of all families in the bird world. Even the extinct Carolina Parakeet and the Ivory-Billed Woodpecker are to be found there.

Bird nests, eggs, and more than 4,000 bird skeletons are also available for study. The skins and skulls of bears, tigers and other mammals are stored in cabinets, readily accessible for research purposes.

In the underwater world, Langmuir Lab also houses a "wet collection" of more than 60,000 fish and 10,000 reptiles and amphibians in glass tanks. Several live specimens are here as well. Visitors can be accommodated only by advance arrangements.

The Ornithology Laboratory at Sapsucker Woods Sanctuary is a place mentioned thus far which is ideally set up to handle large numbers of visitors without advance notice. Its many outstanding collections, generally well-known to the Cornell community as a result of the many other specimens, exhibits, and artifacts scattered about campus cannot be combined in one spot, to be used and appreciated by the teacher, scientist and curious layman alike.

Harassment

Continued from Page 1

ment of Public Safety have so far been installed in a campus-wide network of such phones.

"Anyone who is threatened or sees suspicious actions should either use the blue-light phones or regular telephones to notify Public Safety," he said. "It is particularly important that we get a report when there have been attacks of any kind."

McDaniel said the sexual harassment incidents involved grabbing women walking on campus, and men coming into unlocked dormitory rooms and shower areas and making overtures to women.

The eight blue-light phones in place now are at the suspension bridge, the footbridge behind the Pancake House, Cascadilla Bridge, southwest corner of Barton Hall, Lincoln Hall, University Halls 1, North Campus Union and Upper Alumni Field.

The Senate Page

The Senate Page is the official bulletin of the Cornell University Senate. Publication is supervised by Jody D. Katz, secretary of the Senate, 133 Day Hall, 256-3715.

NEXT SENATE MEETING: Tues., Nov. 30, 7:30 p.m., 165 McGraw Hall

THURSDAY, Nov. 18 Senate Office
Unions and Facilities Subcommittee, Open Hearing on SG-11, 4:30 p.m., W.S.H. Conference Room
FRIDAY, Nov. 19
Executive Committee, 3:30 p.m.

WEDNESDAY, Nov. 24
Community Presidential Search Committee, 12:30 p.m., Senate Office

Calendar

Senate Actions—November 9, 1976

NO.	TITLE AND ABSTRACT	SPONSOR	ACTION TAKEN
-442	C.O.C. STAFFING RESOLUTION (7-#6) [Nominations for Senate committee vacancies.]	Committee on Committees	ADOPTED
-443	PARLIAMENTARIAN APPOINTMENT TO SEVENTH SENATE [Martin Robinson approved as Parliamentarian.]	M. Noden	ADOPTED
-444	MANDATORY ATTENDANCE ACT REVISION [Revises Bylaws, Title XI, Section Eleven, Mandatory Attendance provision.]	I. Kravetzky	ADOPTED
-445	SENATE RESPONSE TO REPORT OF COMMISSION ON SELF-GOVERNANCE - PART I [Outlines essential provisions for any future self-governance body at Cornell.]	S. Dyer, C. Pearson	ADOPTED AS AMENDED
-446	SENATE RESPONSE TO REPORT OF COMMISSION ON SELF-GOVERNANCE - PART II [Recommendation to Board of Trustees concerning community and outside trustees.]	S. Dyer, C. Pearson	ADOPTED AS AMENDED
-447	SENATE CONSIDERATION OF COMMITTEE RESPONSES [Accepts Senate committee responses to the Report of the Commission on Self-Governance with qualifications outlined.]	S. Dyer, C. Pearson	ADOPTED

Current Legislative Log

FILE NO. & SUB.	ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
8-8-76	Amends Legislative Procedures to provide mechanisms for enactment of legislation and recommendatory resolutions by committees and subcommittees.	C. Murray, M. Filler	Executive Committee
9-8-76	Nominations for Senate committee vacancies.	Committee on Committees	Committee on Committees
0-12-76	Appropriated and enterprise budgets for the Division of Campus Life.	Campus Life Committees	Campus Life Committees
1-12-76	Budgets for Athletics, B.O.S.H., and Museums.	Campus Life Committee	Campus Life Committee

Nutrition for Elderly Program Needs Help

A supportive service to enable elderly residents in the county to live independently as long as possible is seeking a wide variety of volunteer talents. The program, Nutrition for the Elderly, serves a hot meal daily to residents 60 years of age and older at five sites in the county, two in downtown Ithaca, and the others in Groton, Lansing and Trumansburg.

Creative opportunities are available for anyone interested in such aspects of the service as nutrition education. There is also a need for talented volunteers who enjoy public relations work to help bring the program to the attention of the public by contacting local churches and civic organizations, writing news releases and speaking over the radio.

In addition, outreach volunteers are sought to contact, by phone or door-to-door, those elderly persons who may not be aware that they are eligible for help. Most students will not be able to volunteer for this service until the spring semester, but those interested can become familiar with the program now and sign up for orientation and training in late January. The CIVITAS office will set up an appointment for you to talk with the program organizers.

EVERGREEN

A few weeks ago we described in this column the new approach to community placement programs for former or potential psychiatric patients which Evergreen represents. As the end of the first semester approaches, the directors of Evergreen are looking for students interested in living in the facility during the second semester.

The clients who reside in Evergreen range in age from 17-30 years and are required to be working, looking for work or involved in some meaningful activity in the community. Students pay room and board and share household responsibilities with the clients. A year's commitment to the residence is desirable.

A meeting for potential residents will be held at 8 p.m. Thursday, Nov. 18 in Uris 202. If you are interested but cannot get to this meeting, call CIVITAS (256-7513) or come into the office and we will put you in touch with the directors. Finally, if you would like to volunteer to work as a supportive friend of Evergreen during the second semester, come in and let us know now.

CURRENT CALLS FOR VOLUNTEERS

PEOPLE INTERESTED IN WORKING WITH PUPPETS through a new program sponsored by the local Center for the Expressive Arts are invited to call CIVITAS before going home for Thanksgiving. An organizational meeting will take place in early December. Opportunities for script-writing, costuming, stage design, puppet-making and performing. Experience not necessary, just enthusiasm.

CHESS PLAYERS are sought to play chess with male polio victim who spends part of his day in an iron lung. Chess is his great interest, and he is free to play any day after 10 a.m.

TUTORS IN BASIC READING, WRITING AND MATH SKILLS to help students towards high school equivalency success needed now. Tuesday and Thursday mornings, 8-10 or Tuesday and Thursday evenings, 6:30-8:30. Location of classes is downtown Ithaca.

FRIENDLY COMPANION needed for employed handicapped man who lives in downtown Ithaca. Evenings and weekends at the convenience of the volunteer.

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

Bulletin Board

Thanksgiving Holiday

The University will close on Wednesday night, Nov. 24 for the Thanksgiving holiday, and reopen Monday morning, Nov. 29. Classes will be suspended at 1:30 p.m. Wednesday and resume Monday.

Financial Aid Renewals

1977-78 Financial aid renewal applications will be available in the Financial Aid office, 203 Day Hall on Monday, Dec. 6. Undergraduate students seeking assistance for next year should complete forms before Christmas vacation and submit the completed applications directly to 203 Day Hall by March 1, 1977.

Divorce, Remarriage Sage Topic

"Divorce and Remarriage" will be the subject of Monsignor John J. Kelleher's address to the Sage Chapel Convocation at 4 p.m. Sunday, Nov. 21.

Monsignor Kelleher, priest of the Archdiocese of New York City, Church of the Sacred Heart, has published more than 20 articles advocating changes in the procedural and substantive marriage law of the Roman Catholic Church. He is author of the book "Divorce and Remarriage for Catholics?"

New Student Orientation

New Student Orientation Steering Committee applications are now available in the Dean of Students Office, 103 Barnes Hall. Deadline for applications is Nov. 23. For more information call 256-4131. This is a way to help new students get involved.

Indoor Play Center Opens

An inside playground for preschoolers will open in the second floor lounge of the North Campus Union Tuesday, Nov. 30. The playground will have large equipment and will be open Tuesdays, Wednesdays and Fridays through May. Registration is from 9 a.m. to 11:45 a.m. Monday and Tuesday, Nov. 22 and 23. Cost per family is \$5. The playground is cosponsored by the North Campus Union Board. For more information call Carolyn Peterson at 257-2703 or Arete Brim at 257-2049.

Romance Studies Lecture

"Charles d'Orleans and England" is the topic of a lecture to be given by Daniel Poirion, professor at the Sorbonne, at 8 p.m., Wednesday, Dec. 1 in Ives 110. The talk, sponsored by the Department of Romance Studies and Quodlibet: The Medieval Forum, is open to the public.

New Parking Lot Open

On Monday, November 15, 1976, construction began on the new Boyce Thompson Institute for Plant Research (BTI). The Institute is being built on Tower Road, adjacent to Morrison Hall.

Holders of "O" parking permits who formerly parked in the area of the new construction site may use the other "O" parking lots in the vicinity or may park in the newly-completed "C" lot located just north of the beef cattle barns on Tower Road. The "C" lot has been constructed expressly to replace the preempted Morrison Hall parking spaces, and may be used by all employee parkers.

Cyprus Archaeology Topic

Vassos Karageorghis, director of antiquities for the Republic of Cyprus, will discuss recent archaeological discoveries in Cyprus at 4:30 p.m. Wednesday, Dec. 1, in Goldwin Smith-D. His talk is free and open to the public. Karageorghis has carried out extensive excavations in Cyprus, particularly at Salamis and Kition, and his excavations have served as training grounds for many young archaeologists.



Special Seminars

Agriculture and Life Sciences

FOOD SCIENCE JOINT WITH NUTRITION: "Factors That Influence Responsiveness of the Food Industry to Nutritional Concerns." Robert Nesheim, Quaker Oats Co., 4:30 p.m., Monday, Nov. 22, Stocking 204.

FOOD SCIENCE: "Application of Enzyme Systems from Marine Sources." Michael G. Lindley, 4:30 p.m., Tuesday, Nov. 30, Stocking 204.

JUGATAE: "Ecology of a Marsh Fly (Diptera: Sciomyzidae: *Sepedon fuscipennis*): Results of a 3-Year Study and Their Application to a Computer Simulation Model." Steve Arnold, 4 p.m., Tuesday, Nov. 22, Caldwell 100.

JUGATAE: "Gyne Production in Honey Bee Colonies." Rick Fell, 4 p.m., Monday, Nov. 29, Caldwell 100.

NUTRITION: Monday, Nov. 22, see **FOOD SCIENCE JOINT SEMINAR.**

NUTRITION: "Pregnancy and Lactation, a Comparative Point of View." E.M. Widdowson, Addenbrook's Hospital, England, 4:30 p.m., Monday, Nov. 29, Savage 100.

PLANT BREEDING: "Genetics and Mechanisms of Disease Resistance in Maize: a Tissue Culture Approach." E.D. Earle, 12:20 p.m., Tuesday, Nov. 23, Emerson 135.

PLANT BREEDING: "Resistance to the Woolly Apple Aphid in Apple." J.D. MacKenzie, 12:20 p.m., Tuesday, Nov. 30, Emerson 135.

PLANT PATHOLOGY: "Cognitive Dissonance: Its Use in Science." R.W. Boyd, 8:15 p.m., Thursday, Dec. 2, Plant Science 404.

POULTRY BIOLOGY: "Poultry and the Poor." Makaza Kumanyika, Agricultural Teams, Inc., 4:15 p.m., Thursday, Nov. 18, Rice 300.

POULTRY BIOLOGY: "The Importance of Poultry in International Agriculture." Edwin Geers, Heifer Project International, 4:15 p.m., Friday, Nov. 19, Rice 201.

VEGETABLE CROPS: "Herbicide Activity and Translocation of Glyphosate in Purple Nutsedge." Roy K. Nishimoto, University of Hawaii, Honolulu, 4:30 p.m., Thursday, Nov. 18, Plant Science 404.

Arts and Sciences

ASTRONOMY AND SPACE SCIENCES: "Photon Bubbles." Edward A. Spiegel, Columbia University, 4:30 p.m., Thursday, Nov. 18, Space Sciences 105.

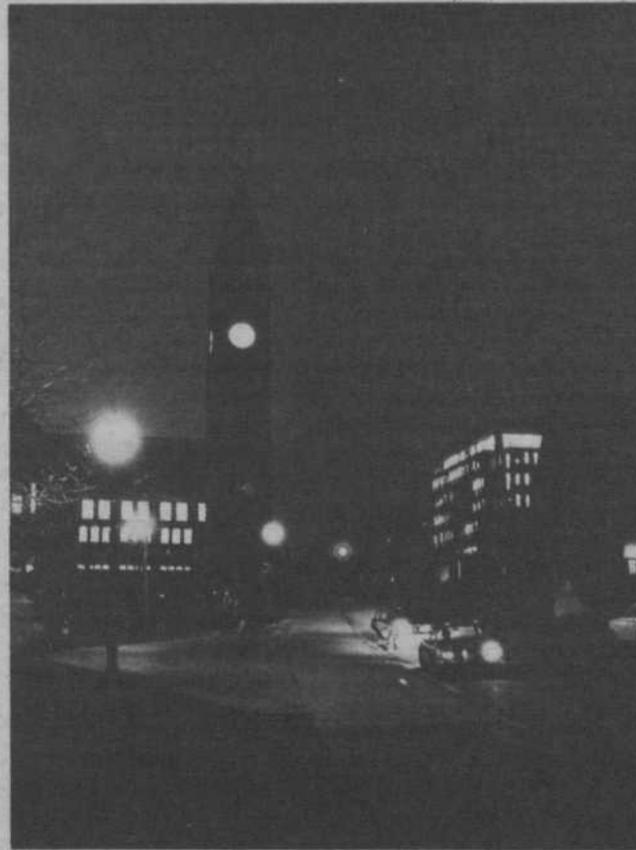
BIOPHYSICS: "Radiation Damage of Biomolecular Solids." Michael Isaacson, University of Chicago, 4:30 p.m., Wednesday, Dec. 1, Clark 700.

ORGANIC-INORGANIC CHEMISTRY: "Factors Influencing Disproportionation of Biradical Intermediates." William C. Agosta, Rockefeller University, 8:15 p.m., Monday, Nov. 29, Baker Laboratory 119.

PHYSICS: "Study of Hadron Structure by Hadron-Deuteron Interactions." Henry Lubatti, University of Washington, 4:30 p.m., Monday, Nov. 22, Clark 700.

Biological Sciences

BIOCHEMISTRY: "Complementary Base-Pairing and the Origin of Substitution Mutations." J.R. Fresco, Princeton University, 4:30 p.m., Friday, Nov. 19, Stocking 204.



Career Center Calendar

- Nov. 18 — George Ridenour of the School of Business and Public Administration will talk with interested students about business schools and their admissions policies. 4 p.m., Malott 224.
- Nov. 19 — A representative from the School of Management of Clarkson College in Potsdam, N.Y. will be at the Career Center.
- Nov. 22 — A representative from the Amos Tuck School of Business Administration will be at the Career Center.
- Nov. 23 — Resume Critique, 10:15 a.m., Career Center. For those with a typed draft of a resume. Please sign up in advance.

Calendar

- Continued from Page 12*
- 7:30 p.m. Govt. 401/Ag. Orien. 401 present a multi-disciplinary course open to all. "Preferred Futures: World Order Models Project." The Institute for World Order. One World Room, Anabel Taylor.
 - 8 p.m. Genetic Technology and Society Series: "Ethics of Experiments with Recombinant DNA." James D. Watson, director, Cold Spring Harbor Laboratory. Sponsored by the Division of Biological Sciences and the Program on Science, Technology and Society. Free. The public is invited. Bailey Hall.
 - 9 p.m. *Cornell Cinema presents "42nd Street." Film Club members only. Uris Auditorium.

Tuesday, November 30

- 12 noon. Student Struggle for Soviet Jewry vigil to help free Soviet Jews from Russia. In front of Willard Straight Hall.
- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 12:15 p.m. Cornell Women's Caucus. Ives 114.
- 5 p.m. Southeast Asia Film Series: "The Opium Warlords." Institute for the Study of Human Issues film. Free and open to the public. Morrill 106-A.
- 7 p.m. Badminton Club. Helen Newman Gym.
- 7:30 p.m. Drop-in Sexuality Rap Groups. Open to the entire Cornell Community. Uris 202.
- 7:30 p.m. Senate meeting. McGraw 165.
- 7:30 p.m. Workshop for caregivers of sick children: "Things To Do." For information call the Infant Care and Resource Center. 273-3645. IACC Day Care Center. First Presbyterian Church.
- 8 p.m. *Cornell Cinema presents: "Little Women" (1933). Katherine Hepburn Series. Attendance limited. Uris Auditorium.
- 8:15 p.m. Contemporary Music Festival. George Papastavrou, pianist. Works of American composers including Eaton and Ives. Barnes Hall.

Wednesday, December 1

- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 4:30 p.m. University Lecture: "Recent Archaeological

- Discoveries In Cyprus." director of Antiquities, Republic of Cyprus. Goldwin Smith D.
- 5 p.m. Episcopal Evening Prayer Service. Anabel Taylor Chapel.
- 7 p.m. Conversational Hebrew Instruction. 7-8:15 p.m. beginning; 8:15-9 p.m. intermediate; 9-10 p.m. advanced. Anabel Taylor 314.
- 7 p.m. Chess Club. Straight Art Lounge.
- 7:30 p.m. Bridge Club. Straight North Room.
- 7:30 p.m. Cornell Gay Liberation business/general weekly meeting. Open to Cornell Community. Straight 28.
- 7:30 p.m. Cornell International Folkdancers. Everyone welcome. 7:30-9 p.m. teaching; 9-11 p.m. requests. Martha Van Rensselaer Auditorium.
- 7:30 p.m. Govt. 401/Ag. Orien. 401 present a multi-disciplinary course open to all. "New Alchemy," a film about aqua, organic, alternative farming and self-sufficiency. Old World Room, Anabel Taylor.
- 8 p.m. *Cornell Cinema presents "A Streetcar Named Desire." Kazan/Brando Series. Attendance limited. Uris Auditorium.
- 8:15 p.m. *The Department of Theatre Arts presents "The Real Inspector Hound," by Tom Stoppard, and Harold Pinter's "The Collection." Drummond Studio, Lincoln Hall.

Thursday, December 2

- 12:10 p.m. International Economic (Dis)Order Bag Lunch Seminar: Chandler Morse, emeritus professor of Economics, and William Gibson, coordinator of the Eco-Justice Project, will make a presentation on the limits to growth. Sponsored by the Centre for Religion, Ethics and Social Policy and the Center for International Studies. Coffee and cookies available. Uris 202.
- 12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
- 4 p.m. Open reading — Prose and Poetry. Temple of Zeus, Goldwin Smith.
- 4:30 p.m. Microbiology Seminar: "The Nature and Function of Lactic Streptococcal Plasmids." L.L. McKay, University of Minnesota. Coffee at 4:15 p.m. Stocking 124.
- 6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting in the Founders Room, Anabel Taylor Hall.
- 7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.

- ECOLOGY AND SYSTEMATICS:** "Thyroid in Cold Resistance and Hibernation." Mike Augee, University of New South Wales, 4:30 p.m., Wednesday, Nov. 24, Langmuir Penthouse.
- MICROBIOLOGY:** "Ecology of Denitrification." James Tiedje, Michigan State University, 4:30 p.m., Thursday, Nov. 18, Stocking 124.

Centers and Programs

- APPLIED MATHEMATICS:** "Direction of a Solution of a Linear Differential Equation." Allen Ziebur, SUNY Binghamton, 4:30 p.m., Friday, Nov. 19, Olin Hall 165.
- Engineering**
- ELECTRICAL ENGINEERING:** "Current State of Knowledge Concerning No Limitations on Communications Systems." Richard Blahut, IBM, 4:30 p.m., Tuesday, Nov. 23, Phillips 219.
- GEOLOGICAL SCIENCES:** "Seismic Waves Recorded from Intermediate Depth Earthquakes in Front of the New Hebrides Island Arc." Remy Louat, Orstom, Noumea, New Caledonia, 4:30 p.m., Tuesday, Nov. 23, Thurston 205.
- GEOLOGICAL SCIENCES:** David Smith, Goddard Space Flight Center, 4:30 p.m., Tuesday, Nov. 30, Thurston 205.
- MECHANICAL AND AEROSPACE ENGINEERING:** "Stability of the Vortex Ring." Sheila E. Widnall, MIT, 4:30 p.m., Tuesday, Nov. 30, Grumman 282.
- MECHANICAL AND AEROSPACE ENGINEERING:** "Periodic Effects in Nominally Steady Flows." M.P. Escudier, Brown, Boveri and Co., 4:30 p.m., Thursday, Dec. 2, Grumman 282.
- MATERIALS SCIENCE AND ENGINEERING:** "Solid State Sintering." R.L. Coble, MIT, 4:30 p.m., Thursday, Nov. 18, Bard 140.
- PLASMA STUDIES:** "Obtaining and Investigating of High Current Electron Rings." A. Didenko, USSR, Tomsk, 4:30 p.m., Monday, Nov. 22, Grumman 282.
- THEORETICAL AND APPLIED MECHANICS:** "Stability of Ideal Fiber-Reinforced Materials." M. Arcisz, Institute of Fundamental Technological Research, Poland, 4:30 p.m., Nov. 22, Thurston 205.

Sage Notes

(From the Graduate School)

All theses submitted this fall should be dated with the conferral date, January 1977. The deadline date for completion of degree requirements for January conferral is Jan. 7, 1977.

Applications for National Science Foundation Graduate Fellowships are available in the Fellowship Office of Sage Graduate Center. Eligible undergraduate seniors or first-year graduate students should consider this form of support. The deadline for submission is Dec. 1.

Graduate students are again urged to investigate outside funding for next year. Look for ideas in the Fellowship Book at the Office of your appropriate Graduate Faculty Representative or check the files of the Career Center.

- 8 p.m. Cornell Folk Song Club Sing. Free. Uris G-08.
- 8 p.m. *Cornell Cinema presents "An American In Paris." Attendance limited. Co-sponsored by Cornell Law School Uris Auditorium.
- 8:15 p.m. *The Department of Theatre Arts presents "The Real Inspector Hound," by Tom Stoppard, and Harold Pinter's "The Collection." Drummond Studio, Lincoln Hall.
- 9 p.m. Noyes Center Free Film Series: "Madwoman of Chailot," with Katherine Hepburn and Danny Kaye. Sponsored by Noyes Center Board. Third floor lounge, Noyes Center.

EXHIBITS

Herbert F. Johnson Museum of Art: The Complete Etchings of Samuel Palmer, through Dec. 23; Art Insights Program, through Nov. 20; Richards Ruben: Recent Paintings, through Dec. 23; Jacques Callot's Prints, through Dec. 23.

Cornell Club of New York Gallery, 155 E. 50th St. N.Y.C.: Lois Shapiro and France Lieber are presenting an exhibition of Major paintings, hand signed etchings, lithographs, and serigraphs. Free admission. Daily 10 a.m. to 8 p.m. Nov. 21-Jan. 1, 1977.

ANNOUNCEMENTS

- Intramural Bowling.** (Men, Women, Co-ed). Deadline on entries is at 4 p.m. Wednesday, Dec. 1 in the Intramural Office, Grumman Squash Courts Building. Play starts Jan. 24 in Helen Newman. Please specify your preferred day of play on your roster (Monday through Thursday evenings.) A minimum of 8 names to enter. Co-ed: equal number of men and women. There will be a charge of \$54 to enter, due with your roster. Checks payable to: Helen Newman Bowling. No refunds after the deadline. Bowling will consist of three shoulder-to-shoulder games rolled off once a week for nine weeks.
- Intramural Fencing.** (Men, Women). Deadline on entries is at 4 p.m. Wednesday, Dec. 1 in the Intramural Office, Grumman Squash Courts Building. Tournament begins at 6:45 p.m. on Monday, Dec. 6 through Friday, Dec. 10 in the Fencing Room, Teagle Hall. Minimum of 6 to enter. Teams: 3 fencers and 1 alternate on deck.

Calendar

November 18-December 1

*Admission charged.

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

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

Thursday, November 18

Fast for a World Harvest sponsored by the Coalition for the Right to Eat to raise money for Oxfam and UNICEF. Displays and tables all day in WSH.

11:15 a.m. Debye Lecture: "Molecular Motions in Liquids." Robert Zwanzig, University of Maryland. Baker Laboratory 200.

12:10 p.m. International Economic (Dis)Order Bag Lunch Seminar: William Goldsmith of City and Regional Planning will make a presentation on three different approaches to a case study in development. Sponsored by the Centre for Religion, Ethics and Social Policy and the Center for International Studies. Uris Hall 202. Coffee and cookies available.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
2:30-4:30 p.m. "Portfolio Management by Major Institutional Investors." James W. MacAllen, Massachusetts Mutual Life Insurance Co. Uris Hall G-08.

4 p.m. Open reading — Prose and Poetry. Temple of Zeus. Goldwin Smith.

6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting in the Founders Room. Anabel Taylor.

6 p.m. Poor Man's Supper sponsored by the Cornell Catholic Church to break the fast. One World Room, Anabel Taylor.

7:30 p.m. Israeli Folk Dancing. Straight North Room.

8 p.m. Japanese Samurai Free Film Series: "Sanjuro." Sponsored by China Japan Program. Uris Auditorium.

8 p.m. Thursdays Coffeehouse with live entertainment. Sponsored by Willard Straight Hall Board. Straight Memorial Room.

8:15 p.m. *Faculty Committee on Music Concert. Henryk Szeryng, violinist. Works of Bach, Debussy, Mozart, Ravel, and Szymanowski. Bailey Hall.

8:15 p.m. * "Count Dracula," by Ted Tiller. A Cornell University Theatre production in the Willard Straight Theatre.

8:15 p.m. "The Influence of Sephardic Philosophy on Western Thought." Rabbi Labaton. Ives 215.

8:30 p.m. History Club Seminar: "Life Without Science: The History of Western Civilization Reconsidered." L. Pearce Williams. All are welcome. Refreshments in the Commons after seminar. Forum, Anabel Taylor.

9 p.m. Noyes Center Free Film Series: "Guns of Navarone." with Gregory Peck and David Niven. Sponsored by Noyes Center Board. Third floor lounge, Noyes Center.

9 p.m. Free Film: "Room Service," featuring the Marx Brothers. Sponsored by the North Campus Union Program Board. Multi-purpose Room, North Campus Union.

10:30 p.m. Senior Class Election meeting. For more information call 6-4131 or 6-3516.

Friday, November 19

11:15 a.m. Plant Physiology. "Some Speculations on the Resistance of Potato to Phytophthora." J. Friend, University of Hull, England. Plant Science 404.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.

12:15 p.m. Women's Studies Friday Seminar: "Where Science Stops: Governmental Regulation of the Birth Control Pill in the 1960's." Andrea Van Houweling. Child care provided. Bring a bag lunch; coffee available. ILR Conference Center 105.

1:15 p.m. SALAT-AL-JUMA (Friday Prayer for Muslims). Edwards Room, Anabel Taylor.

3-7 p.m. Happy Hour. Thirsty Bear Tavern, North Campus Union.

4-6 p.m. Happy Hour. The Pub, Noyes Center.

4:15 p.m. Coalition for the Right to Eat meeting to discuss issues of world hunger and campus activities to raise awareness. Forum, Anabel Taylor.

4:30 p.m. Society for the Humanities lecture: "Et in Arcadia Ego: Observations on a Painting of Poussin." Louis Marin, Johns Hopkins University. Andrew D. White House.

4:30 p.m. Sephardic Sabbath Services (Orthodox). Young Israel House.

5:30 p.m. Sabbath Services (Conservative). Founders Room, Anabel Taylor.

7 p.m. Pentangle II Free Film Series: "Medea" (Pasolini, Italy, 1969); short: "On The Edge" (Harrington, U.S., 1949). Uris Auditorium.

7 & 9:30 p.m. *Cornell Cinema presents: "One Flew Over The Cuckoo's Nest." Limited. Statler Auditorium.

7:30 p.m. *Scottish workshop with Joe Wallin, professional Scottish dance instructor from Nova Scotia. Party. Live music by Blackthorn Ceilidh Band and Divlja Balkarska Band. Straight Memorial Room.

7:30 p.m. CUSLAR Free Film Series: "Memories of Underdevelopment." Ives 120.

8 p.m. *Evening with William Shatner," with filmclips of Star Trek. Sponsored by University Unions Program Board. Bailey Hall.

8 p.m. *Egyptian National Basketball Exhibition. Barton Hall.

8 p.m. Classics Department lecture: "Tradition and Theme in Tacitus' Annals." Judith R. Ginsburg. Refreshments. Telluride Association, 217 West Ave.

8:15 p.m. Ithaca Opera presents "Apothecary," an opera by Franz Joseph Haydn. Leonard Lehrman conducting. Barnes Hall.

8:15 p.m. * "Count Dracula," by Ted Tiller. A Cornell University Theatre production in the Willard Straight Theatre.

8:15 p.m. *Risley Theatre presents "The Fantasticks," a musical by Tom Jones and Harvey Schmidt. Risley Theatre.

9 p.m. *Dance with the Peabody Band. One World Room, Anabel Taylor.

9:15 p.m. *Cornell Cinema presents: "Camelot." Musicals Series. Attendance limited. Uris Auditorium.

10 p.m. Jazz Ensemble, sponsored by the North Campus Union Program Board. Free. First floor Lounge, North Campus Union.

12 midnight. *Cornell Cinema presents "Groove Tube." Late Nite Series. Uris Auditorium.

Saturday, November 20

9 a.m.-12 noon. Nonviolence Training Workshop. "Nonviolence and Children." Interested persons may sign up at the Willard Straight Hall desk. For more information, call Phil Bogdonoff at 272-6034. Sponsored by Cornell Young Friends. Uris G-92.

9:30 a.m. Sabbath Services (Orthodox). Edwards Room, Anabel Taylor.

10:30 a.m.-12:30 p.m. *Scottish workshop with Joe Wallin, professional Scottish dance instructor from Nova Scotia. Straight Memorial Room.

1:30 p.m.-5 p.m. Nonviolence Training Workshop. "Nonviolence and the Environment." Interested persons may sign up at the Willard Straight Hall desk. For more information, call Phil Bogdonoff at 272-6034. Sponsored by Cornell Young Friends. Uris G-92.

2 p.m. *Cornell Gymnastics-Dartmouth. Barton Hall.

2-4:30 p.m. *Scottish Workshop. Straight Memorial Room.

2:30 p.m. *Risley Theatre presents "The Fantasticks," a musical by Tom Jones and Harvey Schmidt. Risley Theatre.

3:30 p.m. Discussion Groups on "Sephardic Prayer" and "Roll of Women in Sephardic Culture." Young Israel House.

5-7:30 p.m. *Steaks Ltd. in the Student Cafeteria at Statler Inn.

5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.

6 & 9:15 p.m. *Cornell Cinema presents: "Camelot." Musicals Series. Attendance limited. Uris Auditorium.

7 & 9:30 p.m. *Cornell Cinema presents "One Flew Over The Cuckoo's Nest." Attendance limited. Statler Auditorium.

7:30 p.m. *Cornell Varsity Hockey-York. Lynah Rink.

8-12 midnight. *Party, with live music by Blackthorn Ceilidh Band and Divlja Balkarska Band. Sponsored by the Cornell International Folkdancers. Straight Memorial Room.

8 p.m. Sephardic Night. Israeli Cafe, exotic food, entertainment. One World Room, Anabel Taylor.

8:15 p.m. *Cornell Polo-Hudson Valley. Oxley Polo Arena.

8:15 p.m. * "Count Dracula," by Ted Tiller. A Cornell University Theatre production in the Willard Straight Theatre.

8:15 p.m. Ithaca Opera presents "Apothecary," an opera by Franz Joseph Haydn. Leonard Lehrman conducting. Barnes Hall.

8:15 p.m. *Risley Theatre presents "The Fantasticks," a musical by Tom Jones and Harvey Schmidt. Risley Theatre.

9:30 p.m. The Risley Free Film Series will show Sir Laurence Olivier's "Hamlet." Risley Theatre.

10 p.m. Catholic Mass. All welcome. Anabel Taylor Chapel.

12 midnight. *Cornell Cinema presents: "Groove Tube." Late Nite Series. Uris Auditorium.

Sunday, November 21

9 a.m.-1:30 p.m. *Sunday Brunch in the Rathskeller at Statler Inn. Classical International Cuisine.

9:30 a.m. Episcopal Church Worship Service. Sunday school and nursery provided. Anabel Taylor Chapel.

9:30 a.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.

10 a.m. *Hot Fudge Road Rally, sponsored by Cornell Auto Rally Club. Registration 10 a.m.; first car leaves 12 noon. Pre-registration at Willard Straight Hall, 11:30 a.m.-1:30 p.m. For more information, call Greg at 256-6444 or Gary at 277-0501. Starting Point: Cornell University Parking Lot B, NY Route 366.

10 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Forum, Anabel Taylor.

11 a.m. Sage Chapel Convocation. Stephen J. Kelleher, Msgr., Church of the Sacred Heart, New York City. Catholic Mass follows Convocation in Sage Chapel.

12 noon-6 p.m. Nonviolence Training workshop. "Nonviolence and Conflict Resolution." Interested persons may sign up at the Willard Straight Hall desk. For more information, call Phil Bogdonoff at 272-6034. Sponsored by Cornell Young Friends. Uris G-92.

12:30-2 p.m. Young Friends Brunch. All are welcome. Forum, Anabel Taylor.

12:30 to 5 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.

2 p.m. *Cornell Cinema presents "My Side Of The Mountain." Children's Film Classics Series. Co-sponsored by Ithaca Youth Bureau. Uris Auditorium.

2:30 p.m. Korean Karate Exhibition. World Tae Kwon Do Association, Cornell Chapter. Conducted by Headmaster Duk Son, 9th Degree Black Belt. Straight Memorial Room.

7 p.m. Cornell Table Tennis Club. Round robin singles. All welcome. Barton Hall.

7 p.m. Cornell International Folkdancers. 7-8 p.m. advanced teaching; 8-11 p.m. requests. Everyone welcome. Straight North Room.

7 p.m. Ecology House Lecture Series: Professor June Fessenden-Raden, Bio-chemistry, will speak on Undergraduate Biology Education of Cornell. Ecology House, 1 Country Club Road.

8 p.m. *Cornell Cinema presents "The Other Francisco." Liberation Cinema Series. Uris Auditorium.

8:15 p.m. Cornell Chorus, Thomas A. Sokol conducting. Works of Faure and Stravinsky. Sage Chapel.

Monday, November 22

12 noon. Cornell-Ithaca Friends of Israel. Bag lunch meeting. Hillel Office, Anabel Taylor G-34.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.

4:30 p.m. Cornell Symphonic Band. Karel Husa's Concerto for Trumpet and Wind Orchestra. Marice Stith, trumpet. Karel Husa, guest conductor. Straight Memorial Room.

7 p.m. *Cornell JV Hockey-Canton, Lynah Rink.

7:45 p.m. Ornithology Seminar. Public welcome. Lyman K. Stuart Observatory, 159 Sapsucker Woods Road.

9 p.m. *Cornell Cinema presents "Spider's Strategem." Film Club members only. Uris Auditorium.

Tuesday, November 23

12 noon. Student Struggle for Soviet Jewry vigil to help free Soviet Jews from Russia. In front of Willard Straight Hall.

12:15 p.m. Cornell Women's Caucus. Ives 114.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.

4:30 p.m. Field of Physiology Seminar: "Physiology of the Echidna." Michael Auge, University of New South Wales, Australia. Vet Research Tower G-3.

7:30 p.m. Drop-in Sexuality Rap Groups. Open to the entire Cornell Community. Uris Hall 202.

7:30 p.m. Badminton Club. Helen Newman Gym.

7:30 p.m. Workshop for caregivers of sick children: "Things to Know." For more information, call 273-3645 or 273-0259. Infant Care and Resource Center, Sage Infirmary, 512 E. State Street.

8 p.m. *Cornell Cinema presents "Nights of Cabiria" Early Fellini Series. Attendance limited. Uris Auditorium.

9 p.m. Noyes Center Free Film Series: "Go, Man, Go." with Harlem Globetrotters and Dane Clark. The Pub, Noyes Center.

Wednesday, November 24

5 p.m. Episcopal Evening Prayer Service. Anabel Taylor Chapel.

7:30 p.m. Cornell International Folkdancers. 7:30-9 p.m. teaching; 9-11 p.m. requests. Martha Van Rensselaer Auditorium.

Thursday, November 25

7:30 p.m. *Cornell JV Hockey-Thorold. Lynah Rink.

Friday, November 26

7:30 p.m. *Cornell JV Hockey-Thorold. Lynah Rink.

Saturday, November 27

1:30 p.m. *Cornell JV Hockey-Thorold. Lynah Rink.

5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.

7:30 p.m. *Cornell Varsity Hockey-Western Ontario. Lynah Rink.

Sunday, November 28

9:30 a.m. Episcopal Church Worship Service. Sunday school and nursery provided. Anabel Taylor Chapel.

9:30 & 11 a.m. Catholic Mass. All welcome. Coffeehour follows Mass. Anabel Taylor Auditorium.

10 a.m. Ithaca Society of Friends (Quakers). Meeting for worship. Forum, Anabel Taylor.

2 p.m. *Cornell Cinema presents "Cassandra Cat." Childrens Film Classics Series. Co-sponsored by Ithaca Youth Bureau. Limited. Uris Auditorium.

7:30 p.m. *Cornell Varsity Hockey-Waterloo University. Lynah Rink.

Monday, November 29

12 noon. Cornell-Ithaca Friends of Israel. Bag lunch meeting. Hillel Office, Anabel Taylor G-34.

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.

4:45 p.m. Office of Marine Biology Films: "Arctic IV." Plant Science 233.

Continued on Page 11