



CORNELL CHRONICLE

Vol. 7 No. 19

Thursday, February 12, 1976

'Right to Die' Symposium Page 2

Student Visits USSR Page 3

Senate Meeting Page 3

Concerts, Lectures, Exhibit Page 5

Big Red Basketball Page 7

Cornell Research

Magnetic Trains 'Float' Above Rail

High speed vehicles suspended above a guideway by a magnetic field could offer a feasible alternative to air transportation, according to Francis C. Moon, associate professor of theoretical and applied mechanics at Cornell.

These magnetic levitation vehicles, often called mag-levs for short, could run at speeds of 300 miles per hour or more, making the trip between many major U.S. cities in about an hour. What's more they could pick up and discharge passengers at the city center — eliminating traffic jams and expensive cab rides often involved in getting from the airport to the downtown area.

Much of the technology for high-speed mag-lev vehicles is already developed, Moon said, but before the vehicles could be employed commercially crucial aspects of their dynamics need to be understood.

As a mechanical engineer, Moon is working to understand how the vehicles would vibrate at different speeds and with different weight distributions. "Before the mag-lev vehicles will be acceptable to the federal government, they must be able to provide as safe and smooth a ride as a jet traveling through calm air," he said.

"The development of mag-lev vehicles is in some ways analogous to the development of the airplane," Moon explained. "Before the Wright brothers, others had figured out the principles for heavier than air flight, but problems of dynamics — control of motion — literally kept them from getting off the ground. Mag-lev is not my invention, but like the Wright brothers, I'm trying to work out the dynamics of mag-lev systems using its principles."

Moon is most interested in vehicles which hover over an aluminum guideway by "repulsive levitation," induced by a magnet traveling above a conducting surface. While electromagnets and even permanent magnets are capable of creating this form of levitation on a small scale, magnetic

fields of the size and intensity needed for high speed vehicle travel will require "superconducting magnets," where electrical resistance is all but eliminated by cooling the magnets to almost absolute zero.

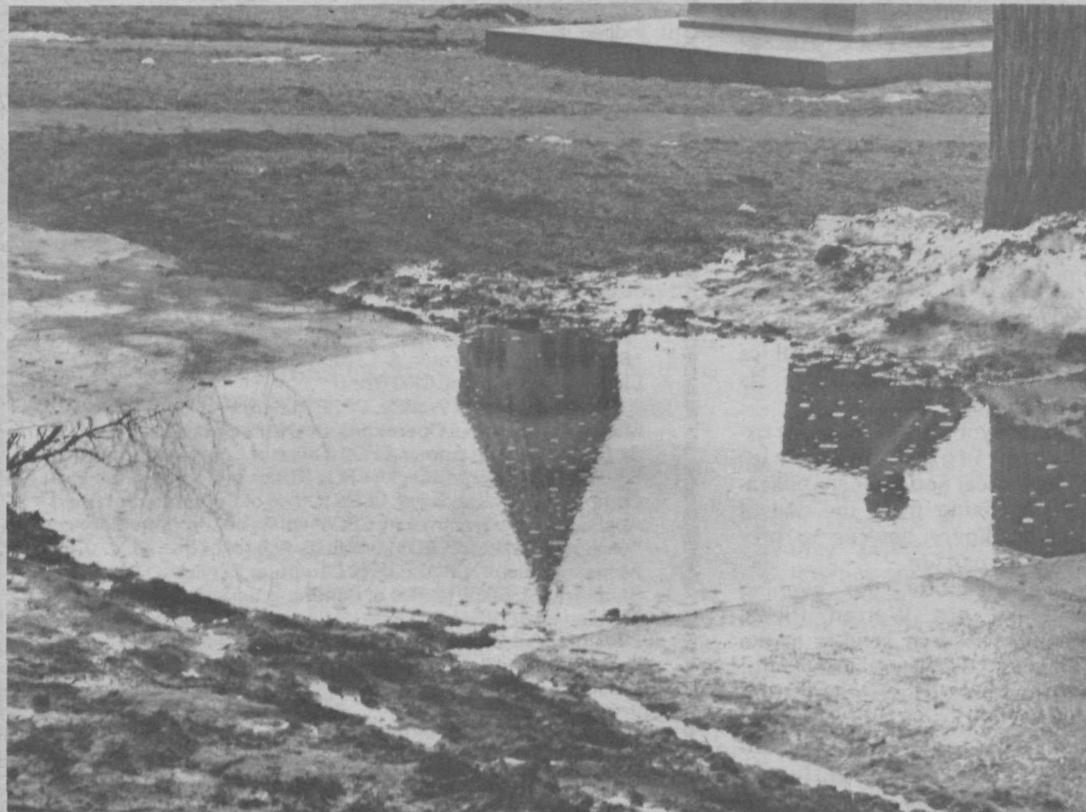
While at Princeton University, Moon developed a rotating guideway and a model mag-lev vehicle to ride along it. The system will be brought to Cornell next semester where it will be outfitted with superconducting magnets and used in dynamics tests.

How far off are mag-lev systems capable of carrying human passengers? Ironically, farther away than they once were, Moon said. In the 1960s mag-lev systems were being intensively investigated in Europe, the United States and Japan as a more feasible alternative to wheeled transportation than air-cushion vehicles. People-carrying models were even built by the Germans, although they traveled at much slower speeds than theoretically possible.

The energy crisis, coupled with inflation, has stalled development of these systems. In fact, Moon said, the United States has stopped funding most applied research on high speed ground transportation. Moon's own work, which is supported by the National Science Foundation, is focused on the basic principles underlying mag-lev systems.

"Perhaps it is good that we are not charging headlong into developing full-scale models at this time," he said. "We now have time to work out some of the basic technical problems, ensuring that mag-lev vehicles, when they are built, will attain not only the safest and smoothest dynamic performance but will also meet new energy and environmental goals."

He predicted that a demonstration model might be in operation in the United States as early as 1990 and that mag-levs could come into more widespread use by the 21st century.



Education Opportunities Explained

Open House for Employees

An open house to explain educational and training opportunities offered to employees will be held from 12 noon to 2 p.m. Monday, Feb. 16, through Friday, Feb. 20, in 247 Day Hall.

Each year several hundred Cornell employees take advantage of educational opportunities offered by the University through the Office of Personnel Services' Training and Development Section, according to Gerald Thomas, director of the section.

Employees are invited to learn about the numerous short job-related training and development courses offered continuously, as well as about academic programs such as the High School Equivalency Program, summer session and extramural programs, the Cornell Employee Degree Candidate Program and the Empire State College Degree Program, according to Penny Greenwood, a graduate assistant in counseling and adult education.

Personnel training and development courses focus on management, communication and technical skills, Greenwood said. Annual enrollments in these courses exceed 800.

Approximately 800 enrollments are made by employees taking regular Cornell courses, at reduced or no tuition, for academic credit or as course auditors through the summer session and extramural program, said Greenwood. Currently, an additional 40 employees are working toward undergraduate or graduate

academic degrees through the part-time employee degree program.

Cornell also offers an off-campus Tuition Aid Program for employees in pursuit of job-related course work at accredited institutions other than Cornell. These courses need not be at the college level.

Employees seeking a college degree may want to take advantage of their experiences

outside a formal classroom setting by enrolling in the Empire State College Degree Program of the State University of New York, which offers college credit for such experiences.

Both Thomas and Greenwood will be present to answer questions about these educational opportunities and to counsel employees considering furthering their training or education.

First-Week Pregnancy Test Developed: CUMC

Clinical experience with 2,000 women who have taken the Saxena blood test for pregnancy indicates that there is an immediate and accurate answer to the question, "Am I pregnant?"

Dr. Brij B. Saxena, professor of Endocrinology and Biochemistry in Obstetrics and Gynecology and in Medicine at Cornell University Medical College, has developed the test which detects pregnancy as early as six to eight days after conception. Furthermore, if the results show pregnancy, the test may define the quality of the pregnancy, signaling imminent spontaneous abortion, ectopic pregnancy and other abnormalities.

If the answer is "No," needless abortion procedures may be ruled out. For rape victims, an early "Yes" allows for early, safe mini-abortion which, if desired, can be performed in five minutes in a doctor's office; an

early "No" relieves at least one of the anxieties associated with rape.

The test, called the radioreceptor assay, measures levels of hCG (human Chorionic Gonadotropin), the specific hormone appearing early in pregnancy. The assay is a basic research method, an outgrowth of ten years of fundamental research by Dr. Saxena in the isolation, chemistry and function of human pituitary hormones.

Since the first public announcement of the assay in May 1974, its sensitivity, accuracy and usefulness have been confirmed not only at Cornell, but also at Harvard, the University of Southern California, and the University of Louisville.

It is expected that the first kit will be available this spring and that the price of a single test will be in the range of that for presently available pregnancy tests.

That's Billion

Yes, the budget has been cut at Cornell, but not nearly as much as the lead headline on page one of last week's Chronicle would indicate. That should have read that the budget for 1976-77 exceeds a quarter billion dollars, not a "quarter million" as written.

Vice Provost Paul McKeegan has pointed out that the last time a quarter-million-dollar Cornell budget was approved was at the January Board of Trustee meetings in 1887. Actually the 1887-1888 budget was for \$251,426.

'Right to Die' Symposium

Quinlan Case to Be Topic

The Karen Ann Quinlan Case and "the right to die" will be examined during a two-part symposium, open to the public, at Cornell University Wednesday, Feb. 18.

Eight national authorities on the topic of euthanasia and related themes will take part in panel discussions scheduled for 2:30 p.m. and 8 p.m. in the Moot Court Room of Myron Taylor Hall. The symposium is being sponsored by the Program on Law, Ethics and Religion of the Cornell Law School and the College of Arts and Sciences.

The symposium is intended to foster discussion and expand public awareness of one of today's major issues — the right of the medical profession to use extraordinary devices to

prolong human life.

Among the participants, several directly associated with the Quinlan case, will be David S. Baime, chief of the Appellate Section of the Division of Criminal Justice in New Jersey. Baime, a 1967 graduate of the Cornell Law School, represented the New Jersey Attorney General's Office in the Quinlan case. A decision on the case is now pending before the Supreme Court of the State of New Jersey.

The afternoon session will center on the issue of "Death and Dying: Who Should Decide?"

Panelists for the session are Robert S. Morison, the Richard J. Schwartz Professor of Science and Technology, Emeritus, at Cornell and one of

the country's foremost authorities on euthanasia, death and dying; Robert A. Burt, professor of law and professor of psychiatry at the University of Michigan Medical School and co-counsel in the major U.S. psycho-surgery case, "Kaimowitz v. State of Michigan"; Dr. Fred Plum of New York Hospital and chairman of the Department of Neurology at the Cornell Medical School, an expert on the issues surrounding "brain death" and "cognitive death" who testified as an expert witness in the Quinlan case, and Baime.

John Lee Smith, director of the Program on Law, Ethics and Religion will serve as moderator.

The evening session will explore legal, economic, theological and ethical implications arising from the use of extraordinary devices to prolong human life.

Panelists for the evening session are Warren Riech, senior research scholar at the Kennedy Institute, Center for Bioethics at Georgetown University, and editor-in-chief of the forthcoming "Encyclopedia of Bioethics;" Norman L. Cantor, visiting professor of constitutional law at Columbia Law School, a consultant to the attorneys in the Quinlan case and author of a pioneering article on the patient's decision to decline life-saving medical treatment; Judith Jarvis Thomson, professor of philosophy at Massachusetts Institute of Technology, an authority on ethics and a leading commentator on abortion; and John P. Brown, associate professor of economics and law at the Cornell Law School.

Robert S. Summers, professor of law at Cornell will serve as moderator.

The symposium has been organized by Larry I. Palmer, professor of law at Cornell, with the help of David Lyons, professor of philosophy at Cornell.

French Literature Lecture Set

Marcel Gutwirth, an authority on French literature, will give a public lecture titled "Tartuffe and the Mysteries," at 4:15 p.m. today in Kaufmann Auditorium at Cornell University.

Gutwirth, who will be at Cornell under the sponsorship of The Society for the Humanities, will also give a seminar on Moliere, open to the public, at 4:15 p.m. Friday, Feb. 13, at the Andrew D. White House.

The author of numerous works on French prose and theater, Gutwirth has been professor of French at Haverford College since 1961. He received a doctorate from Columbia University in 1950 and has held Fulbright and Guggenheim Fellowships.

Bulletin of the Faculty

The minutes of the Faculty Council of Representatives meeting held yesterday will appear in next week's *Chronicle*. The *Chronicle* is now printed Wednesday afternoon, before the FCR meeting.

The Lord's Prayer Is Convocation Topic

William G. Storey, professor of liturgy and church history and director of the graduate program in liturgical studies at the University of Notre Dame, will be featured speaker at the Sage Chapel Convocation at 11 a.m. Sunday, Feb. 15.

Speaking on "The Lord's Prayer," Storey will seek to combine education and inspiration, from a Roman Catholic viewpoint, in a high liturgy of the Word. The 11 a.m. Roman Catholic Mass usually held in Anabel Taylor Hall will be celebrated instead at Sage Chapel. The Eucharist will follow the convocation.

Storey will also lead a discussion on "Prayer in the '70s'" at 8:30 p.m. Saturday, Feb. 14, in the Founders Room of Anabel Taylor Hall. Sponsored by the Cornell Catholic Com-

munity, the discussion will deal with the nature of liturgical celebrations, group prayer and private meditation. The discussion is open to the public.

Storey has delivered lectures and held study-days, workshops and retreats for Roman Catholics on liturgical topics with special emphasis on the restoration of the Liturgy of the Hours and other forms of community prayer.

He joined the Department of Theology at Notre Dame in 1967 after serving for 12 years on the faculty of Duquesne University, Pittsburgh, Pa. He holds B.S. and M.A. degrees in philosophy from Assumption College, University of Western Ontario and master and doctor of medieval studies degrees from the Medieval Institute at Notre Dame.

Senate Ballots Mailed Today

University Senate ballots are being sent out today. They are due in the Senate Office, 133 Day Hall, by 5 p.m. Friday, Feb. 20. The enclosed white return envelope will be accepted in the campus mail. No ballot received in the Senate Office after the 5 p.m. deadline will be accepted.

The ballot includes election of senators, Student Trustee and voting on an amendment to the University Senate Constitution regarding representation on the Cornell University Board of Trustees.

All Senate committees will be staffed in March. A committee application form is also included in the package, to be filled out and returned. A more detailed explanation of the charges to all Senate committees may be obtained at the Senate Office. For those who do not have a campus mail drop, there will be ballot boxes at the following locations: Dairy Bar, ILR Library, Carpenter Library, Uris Library, Olin Library, Mann Library, Hasbrouck Business Office, Noyes Center Game room, Willard Straight Desk and the Senate Office.

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)
Administrative Asst. I, A-22	(Geological Sciences)
Sr. Administrative Secretary, A-17	(Provost) (sh)
*Administrative Secretary, A-15	(Hotel Administration)
*Department Secretary, A-13 (2)	(Hotel Administration)
*Department Secretary, A-13 (B&PA)	(1 year)
*Department Secretary, A-13	(Office of Financial Aid)
Principal Clerk, A-14	(Graduate School)
*Principal Clerk, A-14	(Dining-North Campus)
*Sr. Keypunch Operator, A-13	(Computer Services)
Clinical Psychologist, CPO 6 or	
Psychiatric Social Worker, CPO5	(Health Services)
Manager, Personnel Operations, CPO6	(Personnel)
Sr. Systems Programmer-CPO6	(Office of Computer Services)
Sr. Systems Programmer III, CPO5	(Office of Computer Services)
Computer Staff Specialist, CPO5	(Office of Computer Services)
Application Programmer III, CPO5	(Office of Computer Services)
*Assistant Director, CPO5	(Graduate School of B&PA)
Assistant Director, CPO7	(Ofc of Computer Services)
Staff Writer I, CPO2	(Office of Computer Services)
Development Officer II, CPO6 (2)	(University Development)
Development Officer I, CPO4	(University Development)
Budget Analyst II, CPO3	(Nat'l Astronomy & Ionosphere Cntr)
Executive Staff Asst. II, CPO4	(Nat'l Astronomy & Ionosphere Cntr)
Dining Supervisor (Chef), CPO2	(Dining Services)
Curatorial Assistant, CPO2	(Museum)
Payroll Supervisor, CPO5	(Endowed Payroll)
Extension Associate I, CPO3	(Coop. Extension-Fredonia)
*Extension Associate I, CPO3	(Coop. Extension-Brockport)
Extension Support Aide, CPO2	(Coop. Extension-New York City)
Head Coach of Soccer	(Physical Education & Athletics)
*Asst. Football Coach & P.E. Instructor	(Physical Education & Athletics)
*Asst. Football Coach	(Physical Education & Athletics)
Director of Phys. Ed. & Athletics	(Physical Education & Athletics)
*Accountant I, CPO2	(Planning & Facilities, Business Ofc.)
*Offset Pressperson, A-20	(Graphic Arts Services)
Technical Aide II, A-17	(Chemical Engineering (1 year))
*Cook, A-17	(North Campus Dining)
Sr. Lab Technician, A-18	(Biochemistry)
*Custodian	(Student Housing)
Field Veterinarian	(LAMOS - Mastitis Control)
Physical Therapist	(University Health Services)
*Animal Technician, NP-8	(Animal Science)
Lab Technician I, NP-8	(Diagnostic Lab (Monticello) (April-28 wks a year))
Research Technician III, NP-12	(Diagnostic Lab (Monticello) (April-28 wks a year))
Lab Technician I, NP-8	(Vet Pathology)

ACADEMIC AND FACULTY POSITIONS (Contact Department Chairperson)

Director, Manpower Certificate Program,
Extension Associate II (ILR))
*Assistant Professor (NYS College of Vet Medicine (Comparative Ophthalmology))
*Assistant Professor of Linguistics (French Language Specialist) (Dept. of Modern Languages & Linguistics)
*Assistant Professor of Linguistics (Spanish Language Specialist) (Dept. of Modern Languages & Linguistics)
*Assistant Professor of Linguistics (Dept. of Modern Languages & Linguistics)
Research Associate (Nuclear Studies)
*Research Associate (CRSR)
Research Associate (Design & Environmental Analysis)
*Research Associate I or II (STS Program, NYS College of Vet Medicine (Biochemistry))
*Research Associate (NYS College of Vet Medicine (Nutritional Physiology))
*Research Associate (NYS College of Vet Medicine (Intestinal/Membrane Physiologist))

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

PART-TIME AND TEMPORARY POSITIONS

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

Steno II, NP-6	(Education (temp f/t) (sh))
Steno II, NP-5	(Plant Breeding (temp p/t))
Department Secretary, A-13	(Physics (temp f/t))
Administrative Secretary, A-15	(Biochemistry (perm p/t))
*Senior Clerk, A-12	(Health Services (temp f/t))
Temporary Service Clerk (COSEP)	(temp p/t)
Electronics Technician, A-15	(Materials Science Cntr (perm p/t))
Sr. Lab. Technician	(Biochemistry (perm p/t))
Searcher I, A-13	(Univ. Libraries/Acquisition (Dutch) (perm p/t))

Continued on Page 4

Senate Passes Bill: Required Attendance

The University Senate Tuesday night passed bills calling for expulsion of Senators failing to attend a certain number of meetings and for reduction of the speed limit on West Ave. from 30 to 20 miles an hour.

In other action, senators recommended that the University phase out all time clocks for employes and the establishment of a system for selecting an "Employee of the Month."

Under the "mandatory attendance act," a senator will be expelled for missing either three consecutive Senate meetings or a total of five in a year. A modification of a bill which failed to pass two weeks ago, the approved bill provides that the senator who has missed the stated number of meetings may be reinstated by sub-

mitting a written request to remain in the Senate, before the next scheduled meeting.

The reduction of the speed limit on West Ave. will be between University Ave. and Campus Road for a one-year trial period. Implementation of the 20-mile-an-hour limit will take place within two or three weeks, as soon as new signs have been erected.

The Senate also passed a bill recommending that the University, particularly the offices of admissions, financial aid and personnel, adopt policies to aid Vietnam-era veterans.

A bill was passed permitting the seating of non-senators in seats designated for senators on Senate committees, if the positions are empty.

Committee Appointed On Self-Governance

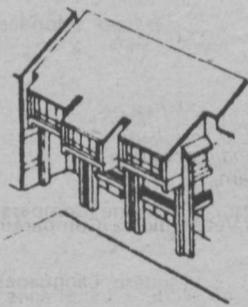
Four of the six members of a conference committee which will establish a University-wide commission to examine self-governance at Cornell have been appointed.

President Dale R. Corson appointed W. Donald Cooke, vice-president for research and J. Robert Cook, associate professor of agricultural engineering. The Executive Committee of the University Senate has named Richard S. Bogart, a graduate student, and Edgar Durbin, a research associate. The remaining two members of the committee were to be announced today by Dean of Faculty Byron W. Saunders.

At a special meeting of the University Senate, Jan. 29, (See page 3, *Chronicle*, Feb. 5) a bill was passed calling for the establishment of a University-wide commission "to examine the range of organization and authority that self-governance might take at Cornell."

The bill, which received support from the President and Board of Trustees, states:

"The exact size, composition, method of appointment and operating procedures of the commission and its charge shall be proposed to the Senate, faculty and Board of Trustees for their approval by a six-member conference committee. That committee shall consist of two members named by the Senate Executive Committee, two by the dean of the faculty, and two by the president."



Profile

Grant, Visitor to USSR

Melissa Grant, a junior in the College of Arts and Sciences, has returned from a two-week study-tour in Russia during Intersession with a deep affection, she says, for the Soviet people and unexpected feelings of pride in being an American.

"It sounds corny, I know," she said in an interview with the *Chronicle*, "and I probably would never have said that before I went there (Leningrad and Moscow), but I now recognize that while there are some values in the United States that need strengthening it is probably the best place to live in the world. The things that need to be worked on here can be improved easily if people's eyes and hearts are just opened to them."

She spoke of the warmth, love and respect she saw in Russian family life, of the surprising amount of trust and affection among the Russian young people, and a sense of patriotism, that was, in a way quite, frightening.

"There seems," she said, "to be little of the suspicion, distrust, competitiveness and coldness so prevalent in interpersonal relations in this country, particularly at first meetings."

But the fact she is able to point out these faults, she said, to discuss the decay of the American family life, racism and all the shortcomings in America is the reason she is proud to be an American. For the big difference she said she saw between American and Soviet life is the freedom to think and act.

"They are so controlled," she said "that they often don't realize their personal liberties are being violated or that there even is a problem."

A government major and an honors student, Grant said her reactions were based on numerous six-and eight-hour gab sessions at night in the homes of Russian students and other young people she met, largely through the initiative of Alice Stone who headed the study tour, a three-hour course sponsored by the Department of Russian Literature. Stone a doctoral candidate in Russian Literature was a student in Russia for several years. She was able to provide contacts with Russian youths and families for the 16 Cornell undergraduates on the tour. She also gave daily lectures on art and history and scheduled tours of various museums and historical sites, as well as suggested special activities for each student based on background and interests.

"What I learned in those two weeks," said Grant, "was probably greater than any other experience at Cornell...it brought out a lot more personal and intricate knowledge than you can get from someone standing in front



Melissa Grant

of classroom." (Each student wishing credit must write a paper for S/U grading.)

She explained that Cornell was not the only American university represented at the hotels where they stayed, but the difference between most of these other students and all the Cornell students was obvious from the start, she said. The Cornellians were always on the go, day and night, making every effort to meet and speak with the Russians and see Soviet life while the other students took the daily tourist tours and then spent most of their evenings drinking with each other in the hotel bar.

Just to demonstrate Cornell initiative, she said, one of her friends, who doesn't know any Russian, walked by herself one afternoon to Moscow University, a mammoth complex. She found someone who spoke English in the cafeteria and received a personal guided tour of the entire University.

"It was a 24-hour educational experience for us, not something where you walk into a classroom for three hours a week." She said she is not only unabashedly proud of being American but also of being a Cornellian.

—Martin Stiles

Special Seminars, Colloquia

Agriculture and Life Sciences

- JUGATAE:** "Social Strategy in the Defense of Termites," Thomas Eisner, 4:10 p.m., Monday, Feb. 16, Caldwell 100.
- NEUROBIOLOGY AND BEHAVIOR:** "Everything You Ever Wanted to Know About Sex in the Bullfrog," Stephen Emlin, Cornell, 12:30 p.m., Wednesday, Feb. 18, Langmuir Penthouse.
- PLANT PHYSIOLOGY:** "Intercellular Transport of Solutes in Chara," N.A. Walker, University of Sydney, Australia, 11:15 a.m., Friday, Feb. 13, Plant Science 404.
- VEGETABLE CROPS:** "Potato Tuberization," E.E. Ewing, Cornell, 4:30 p.m., Thursday Feb. 12, Plant Science 404.
- VEGETABLE CROPS:** "Growth Regulator Research with Tomatoes and Cucurbits," Richard W. Robinson, Cornell, 4:30 p.m., Thursday, Feb. 19, Plant Science 404.

Arts and Sciences

- ASTRONOMY AND SPACE SCIENCES COLLOQUIUM:** "Speckle Interferometry: A Review of Astronomical Results to Date and a Discussion of Potential Diffraction Limited Imaging," Deane M. Peterson, SUNY Stony Brook, 4:30 p.m., Thursday, Feb. 12, Space Sciences 105.
- BIOPHYSICS:** "The Membrane Receptor of IgE: Characterization *in situ* and in Solution," Henry Metzger, NIH, 4:30 p.m., Wednesday, Feb. 18, Clark 700.
- GENERAL CHEMISTRY:** "Chemical Research in a Business Environment," Robert L. Albright, Rohm and Haas Co., 4:40 p.m., Thursday, Feb. 19, Baker Lab 119.
- PHYSICS:** "Much Ado About 'Nothing' or Can There Be 'Vacancies' (or Other Defects Such as Interstitials) in a Crystalline Groundstate?" J.F. Dobson, Cornell, 1:25 p.m., Thursday, Feb. 12, Clark 701-702.
- GENERAL PHYSICS:** C. Yang, SUNY Stony Brook, 4:30 p.m., Monday, Feb. 16, Clark 700.

Centers

- URBAN DEVELOPMENT RESEARCH:** "Values and Images in American Architecture," Franklin D. Becker, Cornell, Robert D. MacDougall, Cornell, 3 p.m., Thursday, Feb. 19, 726 University Ave.

Engineering

- CHEMICAL ENGINEERING:** "Homogeneous Nucleation—Theory, Experiment and Application," Joseph L. Katz, Clarkson College, 11:15 a.m., Tuesday, Feb. 17, Olin Hall 145.

- COMPUTER SCIENCE:** "A Complexity Theory of Grammar Problems," H.B. Hunt III, 4:30 p.m., Thursday, Feb. 12, Upson 111.

- GENERAL PHYSICS:** C Yang, SUNY Stony Brook, 4:30 p.m., Monday, Feb. 16, Clark 700

- GEOLOGICAL SCIENCES:** "Photo Enhancement of Erts Imagery for Land Use Interpretation," Ernest E. Hardy, Cornell, 4:30 p.m., Tuesday, Feb. 17, Kimball B-11.

- JOINT IEEE AND ELECTRICAL ENGINEERING:** "Superconductivity Research at ORNL in the CTR and Power Transmission Programs," Hugh M. Long, Oak Ridge National Laboratory, 4:30 p.m., Tuesday, Feb. 17, Phillips 219.

- MATERIALS SCIENCE AND ENGINEERING:** "Zinc-Oxide Varistor," L.M. Levinson, GE Research Laboratory, 4:30 p.m., Thursday, Feb. 12, Bard 140.

- MECHANICAL AND AEROSPACE ENGINEERING:** "Recent Developments in Lifting Line Theory," H.K. Cheng, USC, 4:30 p.m., Tuesday, Feb. 17, Grumman 282.

- PLASMA STUDIES:** "Mirror Confined Plasmas in the LITE Experiment," Dick Tomlinson, United Technologies Research Center, 4:30 p.m., Wednesday, Feb. 18, Grumman 282.

- THEORETICAL AND APPLIED MECHANICS:** "Response of Elastic Structures, to Acoustic Transients," H. Uberall, Catholic University, 4:30 p.m., Wednesday, Feb. 18, Thurston 205.

Human Ecology

- BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY:** "Chemical and Chemiosmotic Aspects of Mitochondrial Energy Transduction," Lars Ernster, University of Stockholm, 4:30 p.m., Friday, Feb. 13, Stocking 204.

- TEXTILE:** "War and Peace in Polyelectrolyte Land: Interaction of Carboxymethyl Cellulose with Difunctional Amines and Polymeric Quarternary Ammonium Salts," Irene Miller, Cornell, 4:30 p.m., Tuesday Feb. 17, MVR 278.

CORNELL CHRONICLE

Published weekly and distributed free of charge to Cornell University faculty, students, staff and employes by the Office of Public Information. Mail subscriptions: \$13 per year. Make checks payable to Cornell Chronicle Editorial Office, 110 Day Hall, Ithaca, N.Y. 14853. Telephone 256-4206. Editor, Randall E. Shew. Managing Editor, Elizabeth Helmer.



Chronicle Comment

(Chronicle Comment is a forum of opinion for the Cornell community. Address comments to Elizabeth Helmer, managing editor, Chronicle, 110 Day Hall.)

Safety Standard Tax Protested

Editor:

I consider that the proposal advanced by Professor Smith on safety standards ("Safety Standards by Fines," Cornell Chronicle, Feb. 5, 1976) represents a step backwards with regards to the establishment of a safe working environment for the American worker.

Although the standards set by the Occupational Safety and Health Administration (OSHA) are often outdated and in some cases, unreasonable, at least they represent an attempt to establish safe working conditions *before* an accident occurs. The approach that Professor Smith advocates appears to be to wait until an accident occurs, then investigate the reasons for the accident and then fine (or tax) the employer and require correction of the safety hazard. No regard is given to the injured, maimed or perhaps deceased employe. Not every employer is aware of (or is willing to pro-

vide) the level of safe working conditions required. OSHA has attempted to set down these standards. If the OSHA standards are outdated, I believe that the necessary changes could be made in the standards without abandoning the entire system.

We should ask ourselves—"Which type of employer would we rather work for—one

with an approach to safety based on established standards or one who sits back with a wait and see attitude and only takes corrective action if or when an accident occurs?"

Changes may be needed but not to the extreme that Prof. Smith recommends.

Tom Ames
Graduate Student
Civil & Environmental
Engineering

Professor Points Out Billion Dollar Flub

Editor:

The *Chronicle* is to be congratulated for doing its part in keeping up our spirits by contributing to a stabilization of the budget. Even though your lead headline (repeated on p. 6) indicates that the next budget will still top a quarter of a million dollars, we feel that you are nevertheless entitled to our thanks for keeping costs at

such a gratifyingly low level.

D. I. Grossvogel
Professor
Department of
Romance Studies

Editor's note: A slip of the digits put us 89 years into the past. There was a time when a quarter million dollar budget was approved by the Cornell Board of Trustees—back in 1887. See page 1 of this Chronicle.

Postdoctoral Pay Policy Urged

Editor:

I thank Professors Widom and Hoffman for their advice of moderation in my tactics to change the situation of postdoctoral associates at Cornell. Their explanation of the research budget process is still not a satisfactory justification of the low postdoc salaries in Chemistry, however.

The same agencies, NSF and NIH, that fund most Chemistry research, pay more for postdocs in other departments at Cornell. Research directors in these other departments, writing budgets under the same constraints as the Chemistry faculty, have concluded that postdocs should be paid \$2,000 to \$3,000 more. Chemistry postdocs are each out of pocket \$2,000 to \$3,000 every year, because their faculty sponsors decided they were worth less than their neighbors in Clark Hall, Newman Lab, Wing Hall, and elsewhere at Cornell.

Various standards have been suggested to determine postdoc salaries: chemistry departments at other universities other science departments a Cornell, and federal fellowships. Measured by the last two standards, the Cornell Chemistry Department postdoc salaries are at least \$2,000 to \$3,000 too low. I question the relevance of the first standard.

As Dr. Fisher reported, salary was not a factor in most postdocs' decisions to come to Cornell. Either the low salaries in the Chemistry Department select only those candidates who do not care about money, or salary is not an effective parameter in the competition between universities for postdocs. Other chemistry de-

partments are far away, and the salaries they pay are irrelevant. The Cornell physics, space science, biochemistry, and engineering departments are close, however, and the salary differential is a source of dissatisfaction.

The fact is that the Chemistry faculty has taken money from postdocs in order to produce more research. This research is the substance of the faculty's prestige, their stock in trade. It profits the faculty for certain; it profits the postdocs only if they have a future in the field of that research. Jobs being scarce in the sciences, after their time at Cornell many postdocs will take jobs for which their work here will only be slightly relevant. A postdoctoral position is a lottery ticket for the postdoc. The only sure winner is the faculty employer, and it is pro-

voicing to realize that those who profit most from postdocs' efforts are needlessly shortchanging the postdocs.

The Chemistry faculty is not helpless to change this. I suggest that they *should* have been helpless to cause it. The faculty of each department should no more have total freedom in the matter of postdoc salaries than in the matters of graduate student support or non-academic employee salaries. I urge the creation of University policy with respect to postdoctoral associates, to prevent departments from paying as little as they can get away with.

Edgar Durbin Jr.
Senator for
Non-Professorial Academics
Research Associate,
Applied Physics

Job Opportunities

Continued from Page 2

- *Manuscript Arranger, A-13/A-15 (Univ. Libraries/Mns. & Archives (perm p/t))
- *Extension Specialist (Human Dev. & Family Studies (temp p/t))
- Res. Technician II, NP-10 (Food Science (temp f/t))
- *Temp. Stat/Empl Clerk (STS Program (temp p/t))
- Applications Programmer I, CPO3 (MSA (temp f/t))
- Programmer II, A-21 (1) (MSA (temp f/t))
- Personnel Associate I, NS (Extension Administration (perm p/t))
- Research Specialist (Agricultural Economics (temp f/t))
- *Programmer (Adm. Services, Planning & Facilities)
- Medical Technologist, A-18 (Health Services (perm p/t))
- *Student Development II (Student Housing (temp f/t))
- *Postdoctoral Associate (Genetics (temp f/t))



1976-77 New York Sea Grant Program Announced

The New York Sea Grant Institute, a consortium of the State University of New York and Cornell University, funds research seeking solutions to problems of New York's Great Lakes and marine waters and coastal areas. Sea Grant research usually has an applied orientation, but some basic work not appropriately funded by other agencies can be approved. Research areas eligible for support include engineering/geology, economics, biology/pathology, policy/management, recreation, energy, and food processing. A list of high priority topics within these areas is available.

Sea Grant projects normally are funded for \$20,000 to \$30,000. Faculty interested in receiving research support are required to fill out a one-page preliminary proposal form and send it to the Sea Grant Institute Office in Albany by March 4. Copies of this form and a list of the higher priority research topics to be supported are available from Peter Curtiss in the Office of Academic Funding, 123 Day Hall (X65014), or Bruce Wilkins, Sea Grant Office, 120 Fernow Hall (X62162).

Proposers will be notified by March 20 if their proposal is acceptable, in which case they can prepare a full proposal due April 16.

Water Resources Planning Research Proposals Sought

The Water Resources and Marine Sciences Center at Cornell University (the Water Resources Research Institute for the State of New York under P.L. 88-379) has announced that proposals for research in the areas of water resources planning and management, water supply and water quality are now being accepted by the Office of Research and Technology, U.S. Department of the Interior and may be submitted at any time. However, for funding starting Oct. 1, 1977, proposals must be received by April 5, 1976. Proposals received after that date will be considered for funding in subsequent quarters.

For detailed information and assistance, contact the Office of the Director, Water Resources and Marine Sciences Center, Cornell University, 468 Hollister Hall, Ithaca, New York 14853 (607-256-7535).

Academic Fees and Charges

One action of the University's Board of Trustees, which met Jan. 29-31 to adopt the budget for 1976-77, was to authorize University President Dale R. Corson to set fees and charges which may affect students during the course of their academic program.

The following table indicates these fees and charges, applicable at Ithaca. In the Medical College, no fees are assessed in connection with the academic program except an application fee of \$25.

	1975-76	1976-77
I. Extramural Division & Summer Session Tuitions:		
Course for credit (per hour)-----	95	100
Visitor's program (per hour)-----	10	10
Employee's program (per hour)-----	10	10
ROTC courses taken by non-Cornellians (per course)-----	15	15
II. Graduate School Special Tuition--to apply to graduate students admitted to candidacy who have completed 4 or more years of study, not using classrooms or laboratory facilities, nor receiving financial support from the University-----		
	400	400
III. Other Academic Fees & Charges:		
1. University Wide:		
Application Fee-----	20	25
B&PA and Law-----	25	25
Registration Fee-----	50	50
Late registration (incl. summer session)-	10	10
Late pre-registration-----	10	10
In absentia fee (per term)-----	75	75
Make-up examination-----	10	10
"Cornell Card" - annual fee-----	5	5
2. Graduate School Only:		
Late filing of study card-----	10	10
Thesis Fee-----	40	40
Late thesis filing-----	25	25
"Candidate for Degree" only-----	35	35
3. Graduate School & Summer Session:		
Late payment-----	10	10
Extension of time to pay-----	5	5
4. Summer Session Only:		
Application Fee-----	10	10
General Fee (per week)-----	5	5
Service charge (per week) not to exceed--	2.50	2.50

NOTE: The above list does not include fees applicable to the Campus Life Division which are published as part of their budget.

Philip M. Gartland

Philip M. Gartland, a second year student at the New York State College of Veterinary Medicine, was killed on or about Monday, Jan. 12, 1976, in Mount Jackson, Wyo., when he was overcome by an avalanche. An air search was organized when he didn't return from an overnight camping trip. Gartland was the son of Mr. and Mrs. Edward Gartland, 92 Everett Road, Demarest, New Jersey, 07627. The burial service was Friday, Jan. 23, 1976, at the Catholic Church in Rileyville, Pa.

Amade Trio to Give Concert

The Amade Trio, known formerly as The Cornell Trio, will present a concert of 18th century music at 8:15 p.m. Saturday, Feb. 14, and again at 4 p.m. Sunday, Feb. 15, at Barnes Hall Auditorium.

Included on the program are Haydn's Trio in Eb Major, Mozart's Trio in Bb Major, K. 502, and Beethoven's Trio in C minor, Op. 1, no. 3. The concert is free and open to the public.

This is The Amade (ah-mah-DAY) Trio's first performance

in Barnes Hall under its new name. Violinist Sonya Monosoff explained the reason for the name change.

"Many of the programs we present are of 18th century music performed on instruments that were in use at that time," she said. "We think that the name 'Amade,' a variation of Mozart's middle name which he often used, helps to express this character of our trio."

Monosoff will be playing a restored mid-18th century instrument in this weekend's concerts, as will cellist John Hsu. Malcolm Bilson will perform upon a copy of a late 18th century fortepiano, built by Philip Belt in 1969.

"The instruments we are using have a sweeter, more gentle sound than their modern counterparts," Monosoff said. The cello and violin strings are gut, not wound, which produces less string tension and reduces the brilliance of the sound.

"Also," she added, "we will be playing at the pitch Mozart used (A=423), which is slightly lower than the modern pitch (A=440), and that adds to the quietness of the overall sound."

All three members of The Amade Trio are also members of the Cornell music faculty.

Africana Film Series Lists Events at Cornell

A series of films on the life and work of Paul Robeson, a black artist and political activist, will be shown at Cornell this week, open to the public.

The series, which includes one panel discussion is sponsored by the Africana Studies and Research Center (AS&RC) and by the Africana Film Series.

The Cornell events, all to begin at 7 p.m. are:

—Thursday (Feb. 12), Uris Library Classroom L04, "Paul Robeson—A Profile," a one-hour videotape, to be followed by a three-member panel discussion by faculty members from the center;

—Friday (Feb. 13), Kaufmann Auditorium, Goldwin Smith Hall, two films by Robeson, "Song of Freedom," and "Showboat";

—Saturday (Feb. 14), Kaufmann Auditorium, Goldwin

Smith Hall, two films by Robeson, "Jericho" and "Emperor Jones."

The three panelists are: Clayton Riley, a visiting assistant professor for the spring semester, and Robert Harris and Ronald Bailey, both assistant professors. Riley is a playwright and theater critic for The New York Times.

A donation is requested for the Friday and Saturday film showings to support additional programs in the series.

In addition to the showings at Cornell, "Song of Freedom" and "Emperor Jones" will be shown Sunday (Feb. 15) at 2 p.m. in Textor Hall, Ithaca College. Riley will give a talk at this showing, which is co-sponsored by the Africana Center and Ithaca College's Economic Opportunity Program.

Multi-Media Show At Johnson Museum

Multi-media works by artist Phill Niblock, who describes his art as "non-verbal, non-narrative theater," will be on display at the Herbert F. Johnson Museum of Art through Feb. 22.

The principal work titled "Trabajando" (working) is a projection of two film images of people working the land in Mexico onto a 20-foot wide screen and is accompanied by tapes of music composed by Niblock.

There is no beginning or end to either the films or the music, and they are not synchronized. Speakers in the four corners fill the gallery space and surround the viewer with sound. The routine tasks being performed by the workers are never seen completed.

Niblock says his goal is to have each spectator experience the environment in his/her own way. "This is quite different," he says, "from the traditional movie, which intends a universal response."

Niblock's work has been exhibited at the Everson Museum in Syracuse, the Wadsworth Atheneum in Hartford, and the Kitchen in New York City, among others. The work at the art museum was partially funded by the New York State Council on the Arts.

In addition to the multi-media show, two programs of films by Niblock are scheduled for 2 p.m. Feb. 11 and 22. Niblock will be present for discussion.

Third Statler Concert: Chamber Music Group

The Chamber Music Society of Lincoln Center will present the third concert of the 1975-76 Statler Concert Series at 8:15 p.m. Friday, Feb. 13.

Mozart's Quartet for oboe and strings in F Major, K. 370, Dohnanyi's Serenade for strong trio in C Major, Op. 10, Bartok's Contrasts for violin, clarinet and piano, and Schumann's Quartet for piano and strings in E flat Major, Op. 47, will be performed by six of the Society's permanent artists — Leonard Arner (oboe), Gervase de Peyer (clarinet), Jaime Laredo (violin), Walter

Rampler (viola), Leslie Parnas (cello) and Richard Goode (piano).

Organized in 1969, the society is largely the creation of its artistic director, Charles Wadsworth, whose goal was to bring together "from all parts of the world strong musical personalities whose combination and interaction will create new excitement in chamber music performance."

A limited number of single admission tickets for the concert are on sale at the Lincoln Hall ticket office (254-5144).

Women's Studies Seminars Announced

"Women and Public Policy" and "The History of Biologists' Views of Women's Sexuality" will be two of a series of Cornell Women's Studies Program seminars given weekly throughout the spring semester.

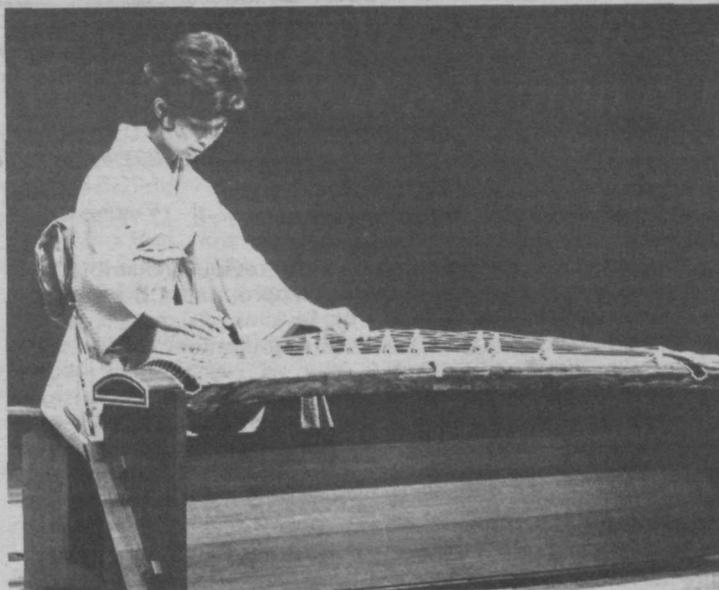
The seminars will be held Fridays from 12:15 to 1:15 p.m. in Room 105, Industrial and Labor Relations Conference Center. Child care, provided by members of Cornell's Interfraternity Council, is available in an adjacent room during the seminars, which are open to the public.

A complete schedule of the seminars follows:

—Feb. 13 "Abortion and Husbands' Rights," Laura M. Purdy, research associate, Science, Technology & Society Program;

—Feb. 20 "'Cinderella's Step-Sisters': A Feminist Perspective on Anorexia Nervosa (Self-Starvation) and Bulimia (Food-Binge-ing)," Marlene Boskind-Lodahl, intern, mental health, University Health Services;

—Feb. 27 "Communism, the 'Woman Question,' and the



Keiko Nosaka, one of the Soloists of the Ensemble Nipponia, performs on the ancient, zither-like koto.

Japanese Music To Be Performed

The Soloists of the Ensemble Nipponia will present a concert of traditional and contemporary Japanese music, performed on ancient instruments, at 8:15 p.m. Wednesday, Feb. 18, at Barnes Hall Auditorium.

Among the traditional selections to be presented by the six-member troupe are "Azuma-Jishi" (Azuma Lion

Dance), "Ogi-No-Mato" (The Folding Fan as a Target), and "Tsuru-No-Sugomori" (The Tendernesses of the Crane). "Wa," a composition written in 1975, in honor of the Nipponia's first American tour, by Minoru Miki, the ensemble's artistic director, will also be performed.

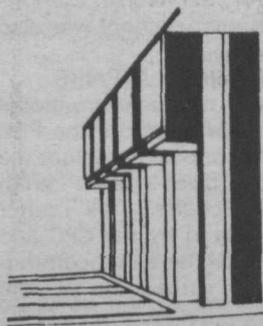
Each sound in the Japanese language has many possible meanings, according to its context and the characters which represent it in writing. Composer Miki has indicated that the idea behind "Wa" is the agglomeration of all the meanings associated with that sound. These include peace, harmony, totality, a circle, a wheel, an interjection of surprise, and Japan.

One of the instruments to be used in the Feb. 18 concert is the koto, which resembles an elongated zither and sounds somewhat like the Western harp. This ancient instrument was long favored by courtiers, and proficiency in playing it conferred an aura of gentility. Even into the 20th century, a woman who had acquired some ability on the koto was considered to be more marriageable.

For more than 1,000 years, the koto had 13 strings, which limited the range of music composed for it. Experiments to increase the number of strings were not successful until 1969, when Miki and Keiko Nosaka, a member of the ensemble, succeeded in perfecting a 20-string version. Both versions will be heard at the Barnes Hall recital.

Other instruments to be used are the pear-shaped *biwa*, a four- or five-stringed lute which is played with a thin, fan-shaped wooden plectrum; the catskin-covered *shamisen*, whose shape suggests a long-necked, square-bodied banjo, and the flute *shakuhachi*, which is made from a section of bamboo that curves outward to form a bell.

General admission tickets to the concert, priced at \$3, may be obtained at the Willard Straight Hall ticket office and at the door.



The Senate Page

(The Senate Page is the official bulletin of the Cornell University Senate. Publication is supervised by the Senate, 133 Day Hall, 256-3715.)

NEXT SENATE MEETING: Tues., Feb. 17, 7:30 p.m., Bache Aud., Malott Hall

Proposed Agenda

February 17, 1976
Bache Auditorium
7:30 p.m.

1. Question Time
2. Minutes
3. Announcements
4. Agenda
5. F-93 — SENATE VACANCIES BYLAW AMENDMENT

- (15,2) - Previously distributed
6. Appropriated Budgets for the Division of Campus Life
7. Adjournment

Calendar

THURSDAY, February 12
Open Hearing, Title IX, Physical Education and Athletics, 7:30 p.m., Helen Newman Lounge.
FRIDAY, February 13
Campus Life Committee,

Open Budget Hearing, 3:30 p.m., 494 Uris Hall
MONDAY, February 16

Museums and the Arts, 4:30 p.m., 494 Uris Hall
Executive Committee, 4:45 p.m., Senate Office

TUESDAY, February 17
Reapportionment Committee, 12:30 p.m., Senate Office
Senate Meeting, 7:30 p.m., Bache Auditorium, Malott Hall.

Senate Action—January 29, 1976

SA NO.	TITLE AND ABSTRACT	SPONSOR	ACTION TAKEN
SA-373	C.O.C. STAFFING RESOLUTION (6-#4) [Staffs the Campus Store Subcommittee.]	Committee on Comm.	ADOPTED
SA-374	MINOR CONSTITUTIONAL MODIFICATION [Increases the number of trustees from which members of the Trustees' Executive Committee must be chosen.]	George Peter	ADOPTED
SA-375	THE BURGER KING REJECTION ACT [Prohibits the acquisition of a "fast food" franchise by the Department of Dining.]	Dining Subcommittee	ADOPTED
SA-376	CREATION OF A COMMISSION ON COMMUNITY SELF-GOVERNANCE [Proposes a study of Cornell's self-governance bodies.]	(See text: twenty co-sponsors)	ADOPTED AS AMENDED
SA-377	AMENDED SPECIAL RULE FOR ACTION ON D.C.L. APPROPRIATED BUDGETS	Campus Life Comm.	ADOPTED

Senate Project Review Committee Described

The Senate Project Review Committee (PRC) has channeled community input on a number of capital projects during the past two years.

The PRC is charged with incorporating community input in all stages of the capital project planning process. The PRC reviews all construction and renovation for the Division of Campus Life, but does not consider regular and emergency maintenance and interior furnishings. The PRC does not pass upon the merits of individual proposals, rather it merely identifies the proper committees that should consider individual capital project proposals.

Julia Coates coordinates the work of the PRC and should be consulted on any question regarding the status of Campus Life capital projects or the Senate's approval procedures. She can be reached at 124 Day Hall, 6-5172.

HOUSING

The largest project considered by the PRC was the proposed North Campus Dormitory project. The PRC requires multimillion dollar projects such as this proposal to be reviewed by the full Senate. Plans to construct a 500 bed complex were dropped in the summer of 1974 due to financing and zoning problems.

The PRC has reviewed Housing's five-year maintenance plan, and has even served as a forum for students from Risley and Sage complaining about their transoms being

permanently sealed. Although the transom conversion was only a small part of the maintenance plan, it did generate controversy which the PRC felt was settled in an intelligent manner.

The largest issue facing the Senate in Housing is its severe deferred maintenance problem. The Senate must closely examine whether the \$1.5 million needed to make Sage a modern housing and dining facility is worth the investment. Large sums have already been spent to begin this updating process.

DINING

The PRC reviewed the \$1,650,000 renovation of dining facilities in Willard Straight Hall. The Senate's approval of the project, through its Campus Planning Committee (CPC), excluded air conditioning of the dining areas. The President endorsed the Senate's recommendations, but the Dining Department made a direct appeal to the Trustee Buildings and Properties Committee. As a result, the project included \$300,000 in additional funds for air conditioning. These funds, less operational cost savings, are coming from University general funds rather than the Division of Campus Life budget.

During the course of renovating the Straight, the Director of Dining commissioned a New York City interior design consultant to develop an alternative set of furnishing plans for a cost exceeding

\$3,000. The PRC worked with Vice Presidents Gurowitz and Matyas to establish a design jury to settle this costly dispute over interior decor. The Straight Student Board and the Dining Subcommittee were also consulted.

A Dining project that was killed in its initial stages was a \$120,000 proposal to rotate a wall in the North Campus Union kitchen. The Campus Life Committee, whose approval was required by PRC, voted 3-2 on Oct. 23, 1975 to stop the plan in light of the extra cost involved in "fast tracking" the construction and the more urgent maintenance needs elsewhere in the Division.

The PRC also received plans for the construction of an entrance enclosure to Noyes Lodge which was approved by the Dining Subcommittee.

UNIONS

The most visible Unions project was the conversion of half of the Straight game room into student offices. A subcommittee of the CPC visited the site and approved the plans. A fence for the North Campus Union nursery school was also approved.

RELIGIOUS AFFAIRS

Perhaps the most emotional issue to come before the PRC was the proposal to replace the Sage Chapel pews with cathedral chairs. This matter was reviewed by the CPC and Religious Affairs subcommittee which vetoed the plan in

Bulletin Board

Peace Corp Office on Campus

A Peace Corps recruiter will be on the Cornell campus throughout the spring semester in the Center for International Studies, 167 Uris Hall.

June Locke, the recruiter, is a former volunteer in Malaysia. Her office hours are Monday and Tuesday from 12 noon to 4 p.m. and Wednesday through Friday from 1 to 5 p.m. Persons interested in any aspect of Peace Corps opportunities are invited to call 256-6370 for an appointment.

Valentine's Day Extravaganza

Latin Extravaganza II will help celebrate Valentine's Day beginning at 6:30 p.m., Saturday, Feb. 14 in Martha Van Rensselaer Auditorium. Entertainment includes Monguito Santa Maria (live band) and the Latin Symbolics Dance Review, originators of the Latin Hustle. There will be a buffet dinner, all-night disco and dance contest with cash prizes. Tickets can be purchased in advance at the Straight or Ithaca College Record Store or at the door. An art exhibition of works from El Museo del Barrio is being shown in conjunction with the Extravaganza at the Straight Art Room.

Bicentennial Lecture Announced

"AMERICA AND WORLD COMMUNITY" Bicentennial Lecture at 7:30 p.m. Monday, Feb. 16, in One World Room, Anabel Taylor Hall. Professor Daniel Sisler will speak on "Interdependencies of Global Population, Food, Economic Growth, and Man's Control of the Environment."

ASPA Organizational Meeting

American Society for Personnel Administration (ASPA) will hold its first organizational meeting of the semester with a wine and cheese party from 2:30-4:30 p.m. Friday, Feb. 13. All members of the Cornell Community are welcome. ILR Conference Center 120.

Campus Club Fine Arts Series

The second program of the Cornell Campus Club Fine Arts Series will be presented from 3-4 p.m. Thursday, Feb. 12 in the lecture room of the Herbert Johnson Museum. Ms. Tamara Northern, curator and assistant professor of anthropology at Dartmouth College, will lecture on "The Sign of the Leopard: Beaded Art of Cameroon," the exhibition currently on display at the Johnson Museum. The lecture is open to the public.

Those attending the program can pick up a permit at the museum immediately before the program. The permit is for parking in the Johnson Museum parking area or, if this is full, in the Franklin lot.

the face of strong community sentiment.

PARKING AND TRAFFIC

A proposal for a two-level parking structure to be constructed between Barton Hall and Hoy Field was slated by the PRC for full Senate consideration. The proposal died during Provost Knapp's 1975 construction freeze.

An \$85,000 expansion of the B lot in 1974 resulted in a gain of 125 parking spaces.

ATHLETICS

The CPC approved a \$514,000 addition to the Gruman Squash Courts to be funded by gifts from the Gruman family. Thanks to the CPC, the building will have a brick, rather than cinderblock, exterior.

The CPC and the full Senate were involved in the decision to relocate two tennis courts from Sage Green to the North Campus area at a cost of \$20,000.

HEALTH SERVICES

The largest proposal currently before the Senate is a proposed \$4,600,000 combined clinic/infirmary to replace Sage Infirmary. The PRC has been monitoring the planning of this facility since January of 1974 and has both the CPC and the Senate's Board on Student Health involved in site election.

After a year of operation, the PRC decided to more carefully define its procedures in writing. Its experience combined with input from Campus Life department heads resulted in a detailed explanation of com-

mittee procedures and criteria that was issued in May 1975. The PRC looks forward to continuing its close work with members of the administration and the community to insure adequate community input on all future projects.

Senators Missing Regular Meetings

The following voting Senators have missed one or more of the three scheduled Senate meetings of this semester: Awa, Njoku (2); Blum, Zevi (2); Chabot, Brian (1); Clermont, Kevin (1); Conta, Bart (1); D'Amico, Louise (1); Deiss, William (2); Donovan, Ronald (1); Drake, Willie (3); Farris, Charlotte (2); Foulkes, Roland (1); Franklin, Kathy (3); Genter, Wm. (2); Golay, Frank (2); Hade, George (1); Hicks, Wm. (3); Hunt, Brian (3); Jensen, Hilmar (2); King, Wm. (3); Larios, Dennis (2); Lodahl, Thomas (3); Lovick, Barbara (2); Lynk, Thomas (2); Meinwald, Jerrold (1); Milnor, Andrew (2); Minotti, Peter (3); Nelson, Gregory (3); O'Connell, Kathleen (2); Ourecky, Donald (1); Pittman, Ernest (3); Pucci, Piero (3); Quaas, Richard (3); Ramin, Richard (2); Reisch, Bruce (1); Rosenberg, Leonard (3); Samaan, Majid (3); Simpson, Steve (2); Smith, Stephen (3); Steiner, Michael (2); Stromberg, David (1); Veverka, Joseph (3); Wallenstein, Joanne (2); Wehe, Robert (2); White, Shirley (2); Williams, Carol (3).

Sage Notes

The Graduate School office is open for business from 8:15 a.m. to 4:15 p.m. Please call or come during these hours if you have problems or questions.

Students who have not arranged for employment prorations or for the \$400 tuition plan should do so immediately at Sage Graduate School.

Course registrations will be accepted without a late fee until Friday, Feb. 13 only.

Summer fellowship Applications for stipends will be available in the Field Offices about March 1. Applications for summer tuition fellowships will be available in Sage Graduate Center after March 15, 1976.

Career Center Calendar

Feb. 14 — The Brown University MAY Program will be interviewing at the Career Center. Sign up in advance.

Feb. 14 — Test date for the Pharmacy College Admission Test.

Feb. 15 — "Job Opportunities in Environmental Fields." 7:30 p.m. Willard Straight Hall Memorial Room.

Feb. 16 and 17 — 2:30 p.m. and 4 p.m. (repeat), "Market Research" or "How to Look for a Job When You Don't Know What You're Looking For." Sign up at Career Center.

Feb. 16 — 2:30 p.m. Sage Hall 237. General Informational meeting about the College Venture Program.

Feb. 18 — Panel Discussion on Dual Career Planning. 7:30-9:30 p.m. North Campus Union Multi-Purpose Room.

Feb. 18 — 9 a.m.-10 a.m. Resume Critique Session. Please bring prepared, typed draft. Career Center.

Feb. 19 — The Mennonite Central Committee will be recruiting at the Career Center for positions in Asia, Africa, and other areas.

Christian Forum Plans Spring Lecture Series

The Cornell Graduate Christian Forum will comprise three lectures during the spring term on the environment, the universe and race. Sponsored by the Cornell Christian Fellowship, the lectures will all start at 8 p.m. and are scheduled as follows.

Feb. 13: "Religion, Ethics and the Environment," Richard Baer Jr., associate professor of Natural Resources at Cornell,

202 Uris Hall.

March 5: "The Trauma of the Infinite Universe," Owen Gingerich, professor of astronomy and the history of science at Harvard University, 215 Ives.

April 30: "Christianity and the Race Issue," Wesley Roberts, assistant professor of Christian thought at Gordon-Conwell Theological Seminary, 215 Ives.

Big Red Weekend at Home

Cornell begins its first real home stand of the 1975-76 basketball season this weekend and the Big Red figures to need all the advantage Barton Hall can give against a startling Dartmouth team and a developing Harvard squad.

Dartmouth, with a 12-5 record, is here Friday at 8 p.m. Harvard, currently 6-11 and winner of three of its last four games, comes in on Saturday at 8 p.m. Both games will be broadcast by WHCU-FM.

Coach Tom Orth's Cornell freshmen, now 9-2, play at 5:45

both nights. They meet Mohawk Valley Community College on Friday and Hartwick on Saturday.

The Big Red, now 5-13, will be trying to regain the winning touch which seemed to come and go with equal abruptness. After trimming Bucknell, Niagara and Brown by substantial margins, Cornell slipped again against Yale, Penn and Princeton.

Dartmouth, under first-year coach Gary Walters, is the most improved team in the Ivy League and possibly in the East. They were 8-18 last

season. They've won six straight and appear headed for their best record in 16 years.

Cornell coach Ben Bluit said, "Dartmouth has had some excellent personnel," Bluit said, "and Walters has taught them discipline and patience on offense and defense."

The Green ranks among the top 10 in the nation on defense, yielding 62.8 points per game. They've held their last five opponents to less than 58 points per game.

Coach Satch Sanders' Harvard team beat Yale, 73-63, in its last outing. The Cantabs lost to Brown, 58-56, after winning the Beanpot Tournament by trimming Boston College and Boston University.

Penn destroyed the Big Red by shooting a torrid 71 per cent with a run and gun offense. "We regained some of the face we lost at Penn with our showing at Princeton," Bluit said.

Bernard Vaughan (5-9) of Lanham, Md., had good games at Penn and Princeton with 20 and 17 points. After a slow start, he now leads the Big Red in scoring with a 17.1 average. He's making .816 of his free throws.

Maynard Brown (6-5) of Los Angeles, Calif., is the top rebounder with an 8.1 average. He's second in scoring, betting 15 per game.

Stan Brown (6-11) of Milwaukee, Wis., and Abby Lucas (6-1) of Jamaica, N.Y., are also scoring in double figures with 12.3 and 10.7 averages respectively.

Mixed Doubles 2-on-2 Basketball at Half Time

Cornell's first Mixed Doubles Two-On-Two Basketball Tournament gets underway this Friday night and will continue through all of the Big Red remaining home games at Barton Hall.

Men and women Cornell students will play five-minute games during the half times of both freshman and varsity games Friday and Saturday when the Big Red varsity meets Dartmouth and Harvard. The freshman game winners will play off at half time of the varsity games.

First round play will continue in the same manner next weekend, when Cornell meets Yale on Friday (Feb. 20) and Brown on Saturday (Feb. 21). The semi-finals will be on March 5 when Cornell plays Princeton, with the finale on

March 6 when Cornell and Penn meet.

First prizes worth up to \$20 will be awarded by the Cornell Campus Store. The runners-up will receive prizes worth \$15 from Danny's Place, a restaurant above the Cinema Theatre. Third prizes will be worth up to \$10 at Cullens' Sporting Goods.

This Friday's games pit Tom Sheehan and Pam Knapp against Carlton Ellis and Debra Budwit, while Gene Pula and Tina Copecky face Brad Whately and Amanda Timberlake.

On Saturday, Cindy Soffen and Charles Stoopack meet Kari Weil and Howard Brown, while Derek Gourdin and Karen Dixon take on Dee Hall and Chris Brandt.

The tournament is being conducted by the Office of the Dean of Students.

Calendar

Continued from Page 8

tein Synthesis," Trevor K. Smith, Department of Poultry Science. Coffee preceding at 4 p.m. Rice 201.

6 p.m. Cornell Women Gymnastics—Ursinus. Helen Newman.

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

7:30 p.m. Cornell Bridge Club weekly game, in association with Ultimate Games Tournaments. Straight Art Lounge. Call 272-0862 for further information.

7:30 p.m. The Gay People's Center general meeting, 306 E. State St. The public is welcome.

7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.

8 p.m. China-Japan Free Film Series, sponsored by the China-Japan Program. "Face of Another," directed by Teshigahara. Uris Auditorium.

Friday, February 20

12:15 p.m. Women's Studies Friday Seminar: "Cinderella's Step-Sisters," A Feminist Perspective On Anorexia Nervosa (Self-Starvation) and Bulimia (Food Binge-ing)." Marlene Boskind-Lodahl, intern, Mental Health, University Health Services.

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

5:45 p.m. *Cornell Freshman Basketball-Ithaca College, Barton Hall.

6 p.m. Cornell Women Basketball-CCNY. Helen Newman.

7:30 p.m. Japanese Film Series co-sponsored by China-Japan Program and Pentangle II Faculty Free Film Series, "Page of Madness," directed by Kinugasa, shown with "The Cabinet of Dr. Caligari." Uris Auditorium.

8 p.m. *Cornell Cinema Film: "Harry & Tonto." Also "W.W. & The Dixie Dance Kings." Attendance limited to Cornell Community. Statler Auditorium.

8 p.m. *Cornell Basketball-Harvard. Barton Hall.

8 p.m. *Bicentennial Ball. Exhibition Dancing. Sponsored by Cornell Folk Dance Club. Straight Memorial Room.

8 p.m. Shabbat Service. Donlon Lounge.

8:30 p.m. Greek Coffee Night. The Commons, Anabel Taylor. Sponsored by Hellenic Student Association and The Commons.

8:30 p.m. *Cornell Folk Song Club presents Tom Akstens. Admission \$1.75, Club members \$1.25. Temple of Zeus, Goldwin Smith.

9 p.m. *Dance, sponsored by North Campus Union Board. First floor lounge, North Campus.

Saturday, February 21

9:30 a.m. Orthodox Shabbat Service. Edwards Room, Anabel Taylor.

9:30 a.m. Shabbat Service (Conservative), The Forum, Anabel Taylor.

2 p.m. *Cornell Fencing-Army. Barton Hall.

2 p.m. *Cornell Hockey-Brown. Lynah Rink.

5 p.m. *Cornell JV Hockey-St. Lawrence. Lynah Rink.

5:15 & 11 p.m. Weekend Masses at Anabel Taylor. (5:15 p.m. Auditorium; 11 p.m. Experimental Liturgy in the Chapel.)

5:45 p.m. *Cornell Freshman Basketball-Albany State. Barton.

7:30 p.m. Japanese Film Series, co-sponsored by China-Japan Program and Pentangle Film Series. "Twilight in Tokyo," directed by Ozu. Uris Auditorium.

8 p.m. *Cornell Cinema Film: "Investigation of a Citizen above Suspicion," directed by Elio Petri, starring Gian Maria, Volonte, Florinda Bolkan. Attendance limited to Cornell Community.

8 p.m. *Cornell Varsity Basketball-Brown. Barton Hall.

8:15 p.m. *Cornell Polo-University of Connecticut. Oxley Arena.

8:15 p.m. Department of Music Concert. Student Recital; Richard Kaplan, clarinet. Claudia Hutchinson, piano. Works of Bartok, Bernstein, Brahms, Mozart. Barnes Hall.

9:30 p.m. Riskey Free Film Series: "The Lady Vanishes," directed by Alfred Hitchcock, starring Paul Lukas, Michael Redgrave and Margaret Lockwood. Riskey Theatre.

11 p.m. *Cornell Cinema Film: Late Night Special: "The Gang's All Here," directed by Busby Berkeley, starring Alice Faye, Carmen Miranda, Benny Goodman & Orchestra, Edward Everett Horton. Uris Auditorium.

Sunday, February 22

9:30 a.m. Episcopal Church at Cornell. Folk and traditional services. Anabel Taylor Chapel. Church school and nursery.

9:30, 11 a.m. & 5 p.m. Masses. Anabel Taylor Auditorium.

11 a.m. Sage Chapel Convocation. Brent Nettle, Head of Campus Ministry for The First Church of Christ, Scientist, Boston Massachusetts.

11:30 a.m. Hillel Brunch. One World Room, Anabel Taylor.

1 p.m. Ultimate Games Tournament: "Air Hockey." First Floor Lounge, Noyes Center.

1 p.m. *Cornell Track-Colgate, Syracuse. Barton Hall.

2 p.m. A special film program in conjunction with Phil Niblocks' show. Artist will be present for discussion. Johnson Museum of Art.

2 p.m. *Cornell Cinema Film: "Born Free," directed by

James Hill, starring Virginia McKenna, Bill Travers. Limited. Co-sponsored by the Ithaca Youth Bureau. Uris Auditorium.

4 p.m. Music Department Concert. Guest Artist, William Heiles, piano. Works of Bartok, Boules, Debussy. Barnes Hall.

5 p.m. New Life Community Celebration. The Commons, Anabel Taylor.

7 p.m. Cornell Table Tennis Club. Beginners and newcomers welcome. Barton Hall.

8 p.m. *Cornell Cinema Film: "Investigation of a Citizen Above Suspicion." Attendance limited to Cornell Community. Uris Auditorium.

8 p.m. *Cornell Cinema Film: Marx Brothers Series: "Horse Feathers," directed by Norman McLeod, starring Guss Who? Attendance limited to Cornell Community. Statler Auditorium.

9 p.m. Coffee House with Tim McCorry and Steve Snider. Sponsored by Noyes Center Board. Third floor lounge, Noyes Center.

ANNOUNCEMENTS

Women's Intramural Volleyball-Deadline on entries is 4 p.m. Wednesday, Feb. 18 in the Intramural Office, Grumman Squash Courts Building. A minimum of nine will be accepted on a roster to enter. Play starts Monday, March 1.

Intramural Track Team Championship (Men and Women) —Deadline on entries is 4 p.m. Thursday, Feb. 19 in the Intramural Office, Grumman Squash Courts Building. Each team will be limited to two contestants in each event, with each contestant being allowed to compete in only two events besides the relay. Patricia Kim will be in charge.

Cornell Womens' Caucus meets every Tuesday at 12:15 p.m. in Uris Hall 494. Bring a bag lunch. All are welcome.

Peace Corps and Vista Representatives will be on campus early in February to talk with students and faculty members about opportunities in the peace corps this spring and summer. Through Feb. 13 at Mann Library, Willard Straight Hall, Career Center. 9 a.m.-5 p.m. Interested students who are graduating this year may stop by the library to talk with a returned volunteer if they are interested in Peace Corps jobs after graduation. Seniors and graduate students are encouraged to set up an appointment in advance by contacting the placement office. Call June Locke, Peace Corps Representative, 256-1896.

EXHIBITS

Goldwin Smith Gallery: Watercolors by Liz and Steve Helmer. Through Feb. 13. Gallery hours: 8:30 a.m. to 5 p.m.

Uris Library: "One Thousand Faces of Israel." Sponsored by the B'nai-Brith Hillel Foundation of Cornell University. Through February.

Calendar

February 12-22

**Admission charged.*

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

* * *

All items for the Cornell Chronicle Calendar must be submitted by mail or in person to Fran Apgar, the Office of Central Reservation, 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, February 12

12 noon Film: "Decision at Delano," and "The Road To Delano." The organization of lettuce workers in southern California. Warren 132.

3 p.m. Lecture: "The Iconography of Cameroon Art," Tamara Northern, who helped organize the African exhibit. Herbert F. Johnson Museum of Art.

4 p.m. Department of Natural Resources Seminar: "Emerging Trends in Planning: Possible Relevance to Professionals in Natural Resources." Barclay Jones, professor of City and Regional Planning.

4:15 p.m. Society for the Humanities Lecture. Marcel Gutwirth, professor of French, Haverford College. "Tartuffe and the Mysteries." Kaufman Auditorium, Goldwin Smith.

4:45 p.m. Slide Talk, "Opportunities in 1976 at the Shoals Marine Lab," John M. Kingsbury. All are welcome to attend. Plant Science 233.

5 p.m. Cornell Concert Commission general meeting. Willard Straight Theatre.

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

7 p.m. The Africana Film Series and the Africana Studies and Research Center are sponsoring a series on the life and work of Paul Robeson, a Black performing artist and political activist who died last month in Philadelphia. A one hour videotape called "Paul Robeson — A Profile," will be followed with a lecture by Clayton Riley, a playwright and New York Times theatre critic who is currently teaching a course on the Black theatre in the Africana Center. Uris Library Classroom (L04).

7 p.m. United Sisters general meeting. 7:30 p.m. Open Discussion on experiences of living in a sexist society. All welcome. Straight Loft III.

7:30 p.m. The Gay People's Center general meeting. 306 E. State St. The public is welcome.

7:30 p.m. Cornell Bridge Club regular weekly game. North Campus Union Conference Room II. Call 277-0862 for further information.

7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.

8 p.m. Folksing with the Cornell Folk Song Club. Come sing, bring your instruments or just listen. All are welcome. Straight North Room.

8 p.m. University Unions Board of Governors meeting. North Campus Union Conference Room I.

8:15 p.m. Department of Music Concert. Student Recital: David Neal, bass. Works of Mussorgsky, Poulenc, Purcell, Schumann and Wolf. Barnes Hall.

8:30 p.m. Cal Smith in the Elmhirst Room, sponsored by Willard Straight Hall Board. Straight Elmhirst Room.

9 p.m. Noyes Center Free Film Series: "Cactus Flower." Sponsored by Noyes Center Board. Third floor lounge, Noyes Center.

11 p.m. *Cornell Cinema Film: Late Night Special: "Jimi Hendrix," directed by Joe Boyd, starring Jimi Hendrix, Eric Clapton, Peter Townshend, Mick Jagger. Attendance limited to the Cornell Community. Uris Auditorium.

Friday, February 13

12:15 p.m. Women's Studies Friday Seminar, "Abortion and Husbands' Rights." Laura M. Purdy, research associate, Science, Technology and Society Program. I&LR Conference Center 105.

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

2:30 p.m. Office of Computer Services Seminar: Conversational Monitor System (CMS). Uris Hall G14.

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

4:30 p.m. "Coalition for the Right to Eat" meeting. (Dinner will be served) in the Forum, Anabel Taylor.

Sundown Orthodox Shabbat Service. Young Israel House.

5:30 p.m. Shabbat Service. Founders Room, Anabel Taylor.

5:45 p.m. *Cornell Freshman Basketball-Mohawk Valley Community College. Barton Hall.

6 p.m. Cornell Women Basketball-Cortland. Helen Newman.

7 p.m. New China Study Group Lecture: "Yu Li-hua, China Contemporary Literature." Ives 110.

7 & 9:15 p.m. *Cornell Cinema Film: "What's Up Doc?" directed by Peter Bogavovitch, starring Ryan O'Neal, Barbra Streisand, Madeline Kahn. Attendance limited to the Cornell Community. Willard Straight Hall Theatre.

7 p.m. The Africana Film Series and the Africana Studies and Research Center are sponsoring a series on the life and work of Paul Robeson, a Black performing artist and political activist who died last month in Philadelphia. Two of Robeson's films will be shown: "Song of Freedom," in which Robeson depicted the African and Afro-American culture, and "Showboat," a musical in which he plays a Black cotton worker on a Mississippi River Boat. Kaufman Auditorium, Goldwin Smith. Also, a one hour videotape called "Paul Robeson — A Profile," will be followed with a lecture by Clayton Riley, a playwright and New York Times theatre critic who is currently teaching a course on the Black theatre in the Africana Center. Uris Library Classroom (L04).

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

7:30 p.m. Pentangle II Faculty Free Film Series: "Paris 1900," (Vedres, France 1947) and "Rien Que Les Heures," (Calvacanti, France 1926.)

8 p.m. *Cornell Varsity Basketball-Dartmouth. Barton Hall.

8 p.m. West Campus Dating Game. Sponsored by the Noyes Center Board. Cayuga Waiters performing. First floor lounge, Noyes Center.

8 p.m. Shabbat Service. Donlon Lounge.

8 p.m. Cornell Rock and Roll Society Dance. Straight Memorial Room.

8 p.m. Lecture in Chinese by prominent novelist Yu Li-Hua. "China-Recapitulations of a recent visit." Sponsored by New China Study Group and Chinese Student Association. Ives 110.

8 p.m. Lecture sponsored by Graduate Christian Forum: "Religion, Ethics and Environment," by Richard Baer, Cornell University. Uris 202.

8:15 p.m. Cornell Women Polo-Virginia. Oxley Arena.

8:15 p.m. *Chamber Music Society of Lincoln Center. Works of Bartok, Dohnanyi, Mozart, Schumann. Sponsored by the Department of Music. Statler Auditorium.

8:30 p.m. Greek Coffee Night. The Commons, Anabel Taylor. Sponsored by Hellenic Student Association and The Commons.

9:30 p.m. Riskey Free Film Series: "Dr. Jekyll and Mr. Hyde," 1920 silent version starring John Barrymore. Also, "The Cabinet of Dr. Caligari," directed by Robert Wiene, starring Lil Dagover. Riskey Theatre.

9 p.m. Disco. First floor lounge. North Campus Union.

Saturday, February 14

9 a.m. Continental Tiddlywink Tourney. Sponsored by Cornell Tiddlywink Team. First floor lounge and the Multi-purpose room, North Campus Union.

9:30 a.m. Orthodox Shabbat Services. Edwards Room, Anabel Taylor.

9:30 a.m. Shabbat Services (Conservative). The Forum, Anabel Taylor.

2 p.m. Cornell Women Hockey-Colby. Lynah Rink.

2 p.m. *Cornell Fencing-Harvard. Barton Hall.

2 p.m. *Cornell Swimming-Harvard. Teagle Hall.

3 p.m. Cornell Women Gymnastics-New Paltz. Helen Newman.

5:15 & 11 p.m. Masses at Anabel Taylor. (5:15 p.m. Auditorium; 11 p.m. Experimental Liturgy in the Chapel.)

5:45 p.m. *Cornell Freshman Basketball-Hartwick. Barton Hall.

7 p.m. Discussion & Film Program on the life and work of Paul Robeson. "Jericho," the story of a Black soldier forced to flee to Africa and "Emperor Jones," the well known story of a pullman porter who becomes a dictator and is killed by his oppressed subjects after an extended chase through the jungle on a tropical island. Sponsored by Africana Film Series and the Africana Studies and Research Center. Kaufman Auditorium, Goldwin Smith.

7 & 9:15 p.m. *Cornell Cinema Film: "Badlands," directed by Terence Malick, starring Martin Sheen, Sissy Spacek, Warren Oates. Attendance limited to Cornell Community. Uris Auditorium.

8 p.m. Hillel Film, "The Fixer." Auditorium, Anabel Taylor.

8 p.m. *Cornell Varsity Basketball-Harvard. Barton Hall.

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

8:15 p.m. Faculty Concert. The Amade Trio. Works of Beethoven, Haydn and Mozart. Sponsored by the Music Department. Barnes Hall.

9 p.m. Dance with Slippery Hips. First floor lounge, North Campus Union.

11 p.m. *Cornell Cinema Film: Late Night Special: "Jimi Hendrix." Attendance limited to Cornell Community. Uris Auditorium.

Sunday, February 15

9 a.m. Continental Tiddlywink Tourney. Sponsored by Cornell Tiddlywink Team. Straight Memorial Room.

9:30 a.m. Episcopal Church at Cornell. Folk and traditional services. Anabel Taylor Chapel. Church school and nursery.

9:30, 11 a.m. & 5 p.m. Masses. Anabel Taylor Auditorium.

11 a.m. Sage Chapel Convocation. William G. Storey, University of Notre Dame.

1 p.m. *Cornell Track-Yale. Barton Hall.

2 p.m. *Cornell Cinema Film: "World Without Sun," directed by Jacques Yves-Cousteau. Co-sponsored by the Ithaca Youth Bureau.

2:30 p.m. Monopoly Tournament, Ultimate Games Tournament. Sponsored by University Unions Program Boards. Third floor lounge, Noyes Center.

4 p.m. Faculty Concert. The Amade Trio. Works of Beethoven, Haydn and Mozart. Sponsored by the Music Department. Barnes Hall.

5 p.m. New Life Community Celebration. The Commons, Anabel Taylor.

7 p.m. Cornell Table Tennis Club. Beginners and newcomers welcome. Barton Hall.

8 p.m. *Cornell Cinema Film: "Badlands." Attendance limited to Cornell Community. Uris Auditorium.

8 p.m. *Cornell Cinema Film: Marx Brothers Series: "Love Happy," directed by David Miller, starring Marx Brothers, Ilona Massey. Attendance limited to Cornell Community. Statler Auditorium.

8 p.m. Lecture: "Job Opportunities in Environmental Fields." David Challinor, assistant director of Science at the Smithsonian Institution. Dr. Challinor will be available all weekend at Ecology House. Call Barb, 256-0611, for an appointment if you wish to speak to him personally. Lecture sponsored by Ecology House and Career Center. Straight Memorial Room.

9 p.m. Coffee House. Local talent featured, sponsored by North Campus Union Program Board and Upper North Campus Residents. North Campus #1.

Monday, February 16

10 a.m. Yankee Do Your Doodle! Express your thoughts on America and the Bi-Centennial Celebration. Crayons and paper furnished. Finished exhibit will be on display in the Art Room, Feb. 18 through March 8. Sponsored by the Willard Straight Program Board. Straight Memorial Room.

12:20 p.m. Department of Agricultural Engineering Lecture: "Outside Grant Opportunities for Agricultural Research." Noland L. Van Demark, director of Research Agricultural Experiment Station. Orval C. French Seminar Room.

4 p.m. Anthropology Colloquium: "Anthropology and Publishing." George Stuart, National Geographic Society. Uris Auditorium.

4:30 p.m. Sefer Tehilim, Book of Psalms. Young Israel.

7 p.m. University Unions Ultimate Games Tournament: "Hearts." First Floor Lounge, Noyes Center.

7:30 p.m. Food Science 150 Lecture Series: "Proteins." J.M. Regenstern, Department of Poultry Science.

7:30 p.m. Fundamentals of Jewish Thought. Anabel Taylor G34.

8 p.m. Dean of Students Lecture. Elmer Meyer. Multi-purpose room, North Campus Union.

8 p.m. Country Dance Concert, sponsored by the Cornell Country Dance Club. Straight Memorial Room.

9 p.m. *Cornell Cinema Film: "8 1/2," directed by Federico Fellini, starring Marcello Mastroianni, Claudia Cardinale. Film Club Members only. Uris Auditorium.

Tuesday, February 17

4:30 p.m. Field of Physiology Seminar: "Mechanism of Ion Transport." Speaker: Dr. E. Racker. Vet Research Tower G3.

7 p.m. Ultimate Games Tournament-Jeopardy. Sponsored by North Campus Union Program Board. Multi-purpose room, North Campus Union.

7:30 p.m. Ultimate Games Tournament - Bubble Gum Blowing Contest. Sponsored by Willard Straight Program Board. Straight Memorial Room.

7:30 p.m. Pirke Avot. Anabel Taylor G34.

7:30 p.m. Senate Meeting. Bache Auditorium.

8 p.m. *Cornell Cinema Film: "Harry and Tonto," directed by Paul Mazursky, starring Art Carney, Ellen Burstyn. Also, "W.W. & Dixie Dance Kings," starring Art Carney and Burt Reynolds. Attendance limited to Cornell Community. Statler Auditorium.

8:15 p.m. Department of Music Concert: Student Recital. Raymond Kretschmer, piano. Works of Bach, Beethoven, Chopin, Griffes. Barnes Hall

8:30 p.m. Synagogue Skills. Anabel Taylor G34.

9 p.m. Free Flicks, sponsored by Noyes Center Board.

Wednesday, February 18

9:30 p.m. Blood Drive, sponsored by R.O. Barton Hall.

4:30 p.m. University Faculty Meeting. Ives 110.

4:30 p.m. Zionism-Yesterday, Today, Tomorrow. Uris 202.

4:30 p.m. Engineering Open House. "Electrical Engineering." Phillips Lounge.

5 p.m. North Campus University Unions Board Meeting. North Campus Conference Room I.

7 p.m. Chess Club, weekly meeting. Straight Art Lounge.

7:30 p.m. Seminar in Jewish Law. The Forum, Anabel Taylor.

7:30 p.m. Hebrew Instruction. Beginners, Intermediate and Advanced. Anabel Taylor 314.

7:30 p.m. Ultimate Games Tournament-Poker. Sponsored by Willard Straight Program Board. Straight Memorial Room.

7:30 p.m. Career planning for couples. Sponsored by dean of students and Career Center. Multi-purpose room, North Campus Union.

7:30 p.m. Herbert F. Johnson Museum of Art presents "Wedlock House: an Intercourse," "Window Water Baby Moving," "Wonder Ring," "Scenes From Under Childhood, Section No. 1. Four films by this early pioneer in experimental filmmaking, Stan Brakhage.

8 p.m. Poetry Reading by Stephen Dunn, author of "Looking for Holes I The Ceiling." (University of Massachusetts Press.) Reading from his published collection and from newer work. The Temple of Zeus, Goldwin Smith.

8 p.m. *Cornell Cinema Film: "Harry & Tonto." Attendance limited to Cornell Community. Statler Auditorium.

8 p.m. *Cornell Cinema Film: "Harry & Tonto." Also "W.W. & The Dixie Dance Kings." Attendance limited to Cornell Community. Statler Auditorium.

8 p.m. *Cornell Cinema Film: "Chloe In The Afternoon," directed by Eric Rohmer, starring Bernard Verley Zouzou. Attendance limited to Cornell Community. Uris Auditorium.

8:15 p.m. *Department of Music Concert. Soloists of the Ensemble of Nipponia. Co-sponsored by the China-Japan Program and the Council of Creative and Performing Arts. Tickets on sale at Willard Straight Ticket Office. Barnes Hall.

Thursday, February 19

9 a.m.-3:30 p.m. Blood Drive sponsored by ROTC

9 a.m. University Unions Staff Meeting. Noyes Center 304

4:15 p.m. Poultry Biology Seminar: "Mechanisms of Pro-

Continued on Page 7