

THIS PROGRAM WAS BROUGHT TO YOU BY... — Visiting the educational television center in Martha Van Rensselaer Hall yesterday are (from left) Cornell President Dale R. Corson; David Watkins, art director for the center; State University of New York Chancellor Ernest L. Boyer, and his wife, Kay.

Cornell-SUNY Ties Discussed by Boyer

The uniqueness that is Cornell University and the close relationship of Cornell to the State University of New York were key points in an address by State University Chancellor Ernest L. Boyer at Alice Statler Auditorium yesterday.

Boyer was at Cornell for a special convocation in honor of the 25th anniversary this year of the State University.

He reviewed the designation of Cornell as New York State's land-grant institution, and its "audacious founder, Ezra Cornell," who would "not merely continue the classics-math-and-moral philosophy of the day, . . . but blend the old classical study with the two emerging trends of the time — scholarly and scientific research and the practical, applied scholarship of the land-grant movement."

In the text prepared for his address, he said that "in a very real sense, the State University has dedicated itself to fulfilling the dream of Ezra Cornell of 100 years ago — of building an institution where any person can find instruction in any study. Since the size and scale of life has changed so much, since scholarship has expanded so greatly, and since the fields that require learned attention have multiplied so rapidly, only a network of colleges and universities could deliver on Mr. Cornell's wonderful aspiration.

"And, that is what the State University has sought to do: to build a network of quality institutions, aided by the Cornell institutions, so that every person in this state, from 16 to 80, could receive the advanced education he needed and wanted, regardless of background, color, creed or economic circumstances."

The chancellor said that the "really critical job" facing higher education today "is something much bigger than either Cornell or the State University. We need to make the finest achievements of the human mind, the farthest reaches of human sensibility, and the best flights of the human spirit available to every person who wishes to reach beyond himself, who dares to hope for a better tomorrow.

"To me, this has been the genius of American higher education, particularly in the past few decades. And it has certainly been the motivating force behind the development of the State University.

"But, the day is past when any one college or university can go it alone — or any system of colleges and universities can go it alone. There is simply too much to learn, to discover, and to teach; and too

many persons who want to learn. From now on, we cooperate or we stagnate and die.

"We need to cooperate also because we have entered a new period in American education. The golden days of unlimited growth such as we enjoyed in the early 1960s are over. There are new realities — *hard* realities — to face. From now on we in higher education grow by substitution, economies and innovations — not by mere accrual, many more dollars and simple multiplication.

"We all know that the State University colleges at Cornell live in two worlds. There are different fiscal accounting procedures, and there are divided loyalties. Unquestionably, there is organizational untidiness and ambiguity over who's really in charge.

"Yet, organization charts, totally rationalized bookkeeping, or neat administrative hierarchies are not, in a fundamental sense, central. Rather they are peripheral to the essential task of educating people. The key thing is to get the job done. And this we have done, and

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Senate Recoups Housing Initiative

In a marathon session of some six and a half hours Tuesday night, the University Senate recouped its housing policy initiative with passage of a room selection bill establishing 1974-75 procedures and began straw vote debate on the \$20.4 million campus life bill to be approved in February.

During the unusual meeting, which ran from 5 p.m. to about 11:30 p.m. in Bache Auditorium, Malott Hall, the senators also heard President Dale R. Corson's most recent statement concerning correspondence between Cornell and the U.S. Department of Health, Education and Welfare (HEW) dealing with Cornell's compliance with the Civil Rights Act of 1964, particularly as it affects proposed room selection procedures for minority students. (See Corson's statement on Page 2.)

Some 107 voting senators were present at the meeting out of a possible 119, according to Kay R. Hanna, Senate administrator. The high attendance followed a poor showing last week when the Senate lost quorum while debating housing legislation. Raymond J. Minella, speaker of the body, countered Nov. 29 with letters to all senators urging their attendance at future meetings or requesting their prompt resignation. Seven senators resigned, he said, reducing quorum to 60 voting members.

The budget categories presented to the Senate by the Campus Life Committee (CLC) and discussed Tuesday included "basic support services," consisting of housing, dining, health, bus service, parking and traffic; and "recreational and social programs," consisting of University Unions, undergraduate and graduate

activities, and physical education and athletics. Postponed until a special meeting to be held Jan. 29 are four budgets under "educational support programs" and four under "guidance programs."

CLC Chairman Robert McGinnis, professor of sociology, characterized the 1974-75 budget guidelines from the administration as "hold it" in contrast to previous years when the message was "chip it." McGinnis and CLC member Geoffrey V. Chester, director of atomic and solid state physics, introduced the detailed budget.

"The major purpose of this meeting," McGinnis said, "is for the body to instruct CLC."

The 18 separate budgets were presented by program rather than by budget source as "the first step" in conversion from line item to program budgets designed "to give a better idea not only of where the money comes from but how it is spent," McGinnis said.

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SENATE STAFFERS — University Senate secretariat staff members Kay Hanna, Julia Coates, Gloria DiNicola and Linda Albrecht (from left) worked all day Sunday to collate and prepare to distribute the proposed 1974-75 budget for the Division of Campus Life.

Trustee Exec. Committee Summary Agenda

SUMMARY AGENDA for the meeting of the Executive Committee of the Board of Trustees of Cornell University to be held Tuesday, December 11, 1973 in New York City.

(NOTE: This summary agenda as released for publication may not include certain confidential items which will come before the meeting. Also, other items may be added to the final agenda prior to the meeting.)

1. The minutes of the Executive Committee meetings held Oct. 18 and Nov. 15, 1973 will be presented for approval.

2. University President Dale R. Corson will present, with his approval, a recommendation from the Investment Committee of the Board of Trustees concerning the 1973-74 Calspan Corporation distribution dividend.

3. The President will recommend allocation of monies from the General Contingency Fund to provide increased funds for library book acquisitions, to provide more library shelving, and to maintain adequately the University's computerized personnel data files.

4. The President will report concerning development of the 1974-75 budget for the endowed colleges at Ithaca and the Cornell Medical College.

5. The President will report concerning the recent receipt of gifts to the University.

6. The President will present, with his approval, a recommendation from the Faculty Council of Representatives for adoption of a policy statement concerning freedom of access to academic courses. The statement, which would be published in all college and University announcements if approved, would read:

"All academic courses of the University are open to

students of all races, religions, ethnic origins, ages, sexes, and political persuasions. No requirement, prerequisite, device, rule or other means shall be used by any employee of the University to encourage, establish or maintain segregation on the basis of race, religion, ethnic origin, age, sex, or political persuasion in any academic course of the University."

7. The President will report on the status of the agreement of affiliation with Boyce Thompson Institute, Inc.

8. The President will report to the Executive Committee concerning matters dealing with the enforcement of campus parking regulations.

9. The President will recommend, subject to Buildings and Properties Committee approval, that the University administration be authorized to execute appropriate contracts with the New York State Department of Agriculture and Markets for the design and construction of a diagnostic laboratory to be located at the Veterinary College. The President will report that these contracts will be subject to reimbursement from State funds and that the usual procedures will be followed regarding further Trustee action on building site designation, conveyance of title, and selection of architect and contractor. The President will also report that this recommendation has the approval of the State Relationships Committee.

10. The President will recommend, also subject to Buildings and Properties Committee approval, that the University administration be authorized to remodel certain areas in Langmuir and Liddell Laboratories for purposes of the Division of Biological Sciences. The President will further recommend that the project be financed by an advance from Current Fund balances, subject to reimbursement from the I. Ellis Behrman Fund

within five years at 7 1/2 per cent interest. (The Behrman Fund provides monies for Biological Sciences Division building construction.) The President will report that the remodeling projects would provide facilities for research in the field of neuro-physiology.

11. A preliminary report will be made on the relationship of the University to the Collegetown area. A Collegetown study was directed by the full Board of Trustees in October.

12. The President will recommend that the Medical College Health Insurance Program be amended, effective Feb. 1, 1974, to eliminate Blue Shield coverage and to expand Major Medical coverage. He will report that approval of this recommendation would have no impact on the Ithaca campus health plan which is a separate plan. The Medical College revisions are based on considerations specific to the Metropolitan New York City area and will result in improved coverage.

13. The President will recommend the voting of the University's stock in Cornell University Press, Ltd. to elect a specific slate of directors.

14. The President will recommend a series of personnel actions.

15. The Executive committee will hear a progress report from the Committee on State Relationships to be given by Trustee Morton Adams, the State Relationships chairman.

16. A report of construction contracts awarded during the period Oct. 17, 1973 through Nov. 6, 1973 will be presented.

17. The proceedings of the meeting of the Joint Administrative Board of the New York Hospital-Cornell Medical Center for Nov. 8, 1973 will be presented.

On HEW Correspondence

Corson Makes Statement

Following is a statement issued Tuesday by University President Dale R. Corson concerning Cornell's continuing correspondence with the U.S. Department of Health, Education and Welfare (HEW):

Cornell has received another letter in the series of correspondence between the University and the New York Regional Office of the U.S. Department of Health, Education and Welfare (HEW) dealing with Cornell's compliance with the Civil Rights Act of 1964. The latest HEW letter, dated Nov. 30, 1973, was received by me late Monday afternoon (Dec. 3). It is just over three pages in length and is a response to my letter to HEW dated (Sept. 19, 1973). At that time HEW said their preliminary review of my Sept. 19 letter indicated unresolved issues of compliance. The letter received here Monday is the first indication the University has had of the specific nature of the remaining issues.

The Nov. 30 letter differs from the earlier letters in that it requests reconsideration of our policies but doesn't request a response. Also, the letter states that it is the opinion of the New York Regional Office that there are several matters in which Cornell still does not comply with Title VI and which have been referred by HEW/New York City to the HEW Office of Civil Rights (OCR) in Washington. The University continues to believe that the remaining issues can be resolved through continued discussions with HEW officials.

Throughout these HEW/Cornell compliance discussions, my position has been that the text of both the HEW letters and the Cornell responses should be released only when negotiations were completed in the belief that successful negotiation depends on keeping initial positions confidential. In accordance with this policy, I will not be releasing the text of the Nov. 30 letter at this time. However,

there will be release of the appropriate materials when the current issues are resolved.

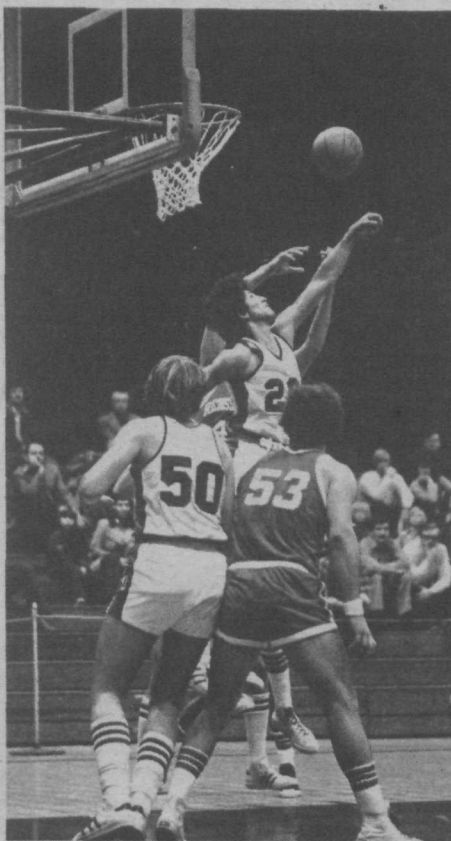
There is one aspect of the most recent HEW letter to which I should address myself at this time because it is a current topic for discussion in the Cornell community. This is the issue of the roommate selection option for minority students electing a special opportunity option (COSEP). The former procedure of automatic roommate assignment and HEW's objections to it were discussed in detail with the Housing Subcommittee of the University Senate, the Senate's Minority and Disadvantaged Interests Committee and the COSEP Advisory Committee after receipt of HEW's April 3 letter. These discussions indicated support within the Cornell community for either defending the automatic assignment procedure or developing a new option whereby entering minority students would be given an opportunity to room together. The new option proposal was therefore developed. The new proposal, which I submitted to HEW in my Sept. 19 letter, was also discussed with the chairmen of the key Senate committees. Until late Monday afternoon we were not aware that HEW had any specific objections to the new proposal. Now HEW tells us that the modified proposal is among those policies which, in their opinion, are not in compliance with Title VI.

Nutrition School Dedicates Library

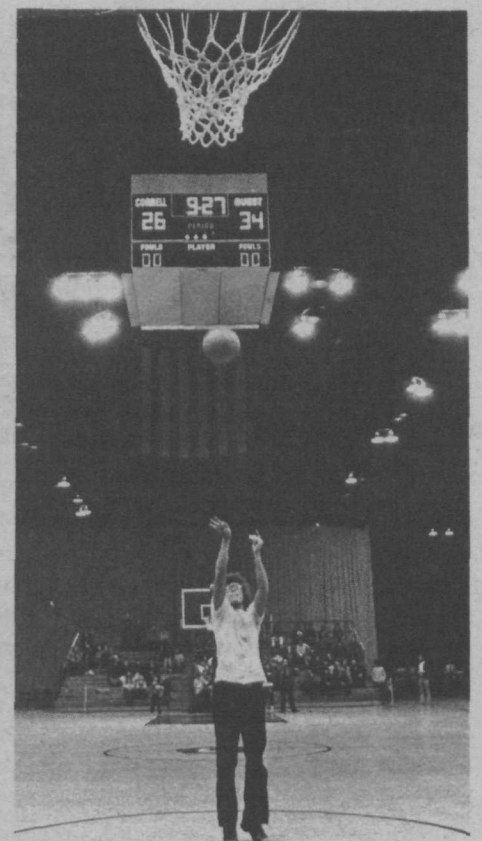
The Graduate School of Nutrition formally dedicated its Leonard Amby Maynard Library last month.

The library, named after the School's first director, is located in Savage Hall. Maynard founded the School of Nutrition in 1941 and steered it through its first years until he retired in 1956.

Charlotte Young, professor in the Graduate



HOOP, HOOP, HOORAY. — Cornell opened its home basketball season Monday night on a winning note over RPI (left), and Abby Lucas (20) and Lynn Loncki (50) played key roles in the 61-60 win. Paul J. Opila '75 (photo at right) got a taste of the pressure of the foul line when he was the first contestant in the halftime foul shooting contest. He made 6 out of 10 free throws, to qualify for the finals March 2. The winner that night gains a round trip flight to San Juan, arranged through Stone Travel Agency. The other halftime contest is a midcourt shot for a 1974 Mercury, provided by Girard Motors.



CORNELL CHRONICLE

Published weekly and distributed free of charge to Cornell University faculty, students, staff and employees by the Office of Public Information, Arthur W. Brodeur, director. Mail subscriptions \$12 per year. Make checks payable to Cornell Chronicle. Editorial office 110 Day Hall, Ithaca, N.Y. 14850. Telephone 256-4206. Editor, Randall E. Shew. Managing editor, Kal M. Lindenberg. Photo editor, Russell C. Hamilton.



A Tough Job in Bio Division

Riker Keeps Equipment in Order

Wanted: Electronics expert to outfit certain species of woodducks with radio transmitters for ecology experiment. Must have intimate knowledge of electron microscopes and be able to repair all kinds of electronic and electromechanical equipment without benefit of instruction manuals or schematic diagrams. Experience in designing laboratory apparatus essential. Applicant will report to at least 75 immediate superiors.

Sound like a tough job? The man who got it is very happy.

Robert F. Riker, design engineer in Cornell Division of Biological Sciences, is responsible for the design, maintenance and repair of all electronic and electromechanical equipment used by the division. Some 75 professors and more than 175 graduate students call on Riker to build or fix apparatus for any number of research projects ranging in scope from biochemistry to genetics to ecology to neurobiology.

"My aim is to keep the tools for research useful and usable," Riker said. "This shop is a basic service organization. People depend on us."

Riker's instrumentation facility is in the Research Park building complex at Tompkins County Airport. The nature of the work, however, which includes a pickup and delivery service, keeps him running a dizzy route from one to another of the division's six buildings which are scattered about the campus. Riker and his co-worker, Robert N. Abbott, senior electronics technician, are a "line item" in the division budget.

"Our services are free to the members of the division," Riker said. "We charge only for the cost of replacement parts."

Riker said that the hardest part of his job is making accurate, quick decisions about what's wrong with a piece of equipment and the best way to fix it.

"We often have to make our own substitute parts," he said, "and figure out what the original designer had in mind when there are no instruction manuals."

Riker's background as an electronics engineer includes eight years in the U.S. Navy.

One of the more unusual projects Riker cited in talking about his work was a small planetarium where toads with ink on their feet crawled about a white truncated cone under simulated stars. The experimenter followed the permanent blue-black footprints to see if the animals' movements were related to stellar positions. (There is some indication that they are.) Riker worked on the planetarium projector.

Right now he is considering ways and means for measuring the temperature in different parts of lizards' bodies. All in a day's work.



COMPUTERIZED GUESSING GAMES — Design Engineer Bob Riker often has to repair equipment by figuring out what the original designer must have had in mind.

*Top Public Relations Post***Brodeur to Direct University Relations**

Arthur W. Brodeur has been named director of university relations at Cornell.

The appointment of Brodeur, who is now Cornell's director of public information, to the University's top public relations position was announced yesterday by Richard M. Ramin, vice president for public affairs. The appointment is effective immediately.

Brodeur, 37, succeeds Thomas L. Tobin, who left the university relations post on May 1 of this year to assume the new position of coordinator of state relations within the University's central administration.

As director of university relations, Brodeur will be responsible "for evaluating public attitudes toward Cornell as well as the effect of University policies and actions on its various constituencies. He will coordinate communications programs aimed at earning the understanding and support of the University's publics, both internal and external, and he will recommend policies and programs which identify Cornell with the public interest," Ramin said.

Among Brodeur's specific responsibilities, Ramin said, will be to increase community awareness and knowledge of the deliberations of the University Board of Trustees, the ongoing coordination of communications activities of various offices within the Division of Public Affairs as well as other University offices to avoid duplication of effort while insuring that resources are being applied effectively, to serve as principal public relations adviser to the University President, counsel members of the executive staff as well as other administrative and academic officers in public relations matters, and to assist the vice president for public affairs in serving as a spokesman on the



Arthur W. Brodeur

University's overall programs and activities.

A search is underway for a replacement for Brodeur as director of public information, Ramin said. Ramin also announced a realignment of the University's public relations organization, inasmuch as the Office of Public Information through its director, will report directly to Brodeur as director of university relations. The Office of Public Information is charged with responsibility for news media relations, radio, television and film, visual services and production of two newspapers, the weekly Cornell Chronicle and the six-times-a-year

J. Silbert Endows Engineering Deanship

The establishment of the Joseph Silbert Deanship of Engineering at Cornell has been announced by President Dale R. Corson.

Edmund T. Cranch, the incumbent dean of the College of Engineering, is the first recipient.

The deanship, the first of its kind at Cornell, was endowed by Joseph Silbert of Buffalo.

In announcing the gift to Cornell, Corson emphasized its contribution to the essential role of leadership in professional engineering education. It will support the work of the dean in a range of activities concerning engineering education, including studies at the state and national levels.

Silbert received his bachelor of arts degree from Cornell in 1915 and returned to Buffalo to join his family's business in the optical industry.

After three years of military service during World War I, Silbert entered the University of Buffalo while he continued in business. He received his law degree in 1924.

Silbert was a pioneer in the field of safety engineering and founded the American Allsafe Co., manufacturer and distributor of industrial safety equipment, where he is presently engaged. In establishing the deanship, Silbert saw a way to further this field and continue his contribution of support to Cornell.

Cranch joined the Engineering College staff as an assistant professor in 1951 and was named professor and chairman of the Department of Engineering Mechanics and Materials in 1956. He served as associate dean for five years before being named dean of the college in 1972.

Active in University affairs, Cranch was selected to work on the President's Special Commission to Review and Report on Disturbances in 1968, and to Review and Report on the ROTC (Reserve Officers Training Corps) Program in 1969. He was chairman of the President's Advisory Committee on Long-Range Financial Planning in 1972.

The Cornell faculty elected him to serve a five-year term on the Board of Trustees in 1970. He is also the director of the Program on Policies for Science and Technology in Developing Nations.

The dean's fields of specialization are theoretical and applied mechanics and engineering education. He has published many papers in both fields.

Cornell Reports, which is sent to Cornell alumni.

Brodeur joined the Cornell staff in 1965. He was a staff writer, director of radio, television and film, director of the news section, and associate director of public information for internal communications before being appointed director of public information in 1970.

A former newsman, he was a reporter for the Holyoke (Mass.) Transcript-Telegram and was education reporter and assistant city editor of the Concord (N.H.) Monitor-Patriot. He was also a staff writer for United Press International (UPI) in Boston and later was UPI bureau manager in Western Massachusetts.

A native of South Hadley, Mass., Brodeur received a bachelor's degree in political science from Holy Cross College in 1959 and has done graduate work in journalism at Boston University. He has studied at the Institute on Telecommunications and Public Policy at Harvard University.

He has taught on the secondary level (English, Latin and French) at South Hadley (Mass.) High School.

He served in the U.S. Air Force from 1959 to 1962 as a preflight tactical officer and as an information officer.

Brodeur is a member of the Education Writers Association, the American College Public Relations Association, the American Alumni Council, the American Association of Higher Education and the Central New York Public Relations Council.

He and his wife, the former Lennox Richardson, live at 15 Highland Crescent, Dryden, with their son Jeffrey, and daughter, Jennifer.

Chronicle Comment

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

Complaint on Graduate Housing

Editor:

I am writing to point out some inequities in the allocation of graduate student housing.

It should be mentioned that the fees paid are not always in proportion to the size of the rooms. For example, my roommate and I are paying \$634 each for one of the smallest doubles in Cascadilla Hall. A friend of mine who occupies a single larger than our double is paying the same rate for the privilege of solely occupying a larger room in the same dorm.

In addition, some rooms now rented out as doubles clearly should be designated singles because they are simply too small to accommodate two adults.

The method of assigning room changes is also at fault. After I was admitted to the University last April, I applied for a single room in graduate student

There Are Inequities In Allocation

housing. Immediately after receiving my room assignment in July, I placed my name on the waiting list for a change in assignment. This past September, several graduate students who arrived in Ithaca without any housing prospects were assigned to single rooms, in Sage and Cascadilla Halls which suddenly became available due to no-shows. At the same time, many doubles were being occupied by one student. In other words, students who, for one reason or another, hadn't applied for housing until arriving in Ithaca in September were given priority for the better rooms ahead of some who had

applied several months earlier.

During mid-semester, I was told by the assistant dean in charge of West Campus residences and the man responsible for housing reassignment, that I was first on the waiting list. Five weeks later, when inquiring about my status, I was told that my application was then third in priority. Other facts than date of application went into assignment of room changes, or so I was suddenly told.

Evidently, between mid-semester and Thanksgiving, two students showed up in the assistant dean's office with sob stories or psychiatrists' letters certifying their desperate need for single rooms. Where does that leave me? And if the needs of those two students were so urgent, why did they wait until after mid-semester to apply for single rooms?

The Office of Student Housing and all other parties involved in the assigning of rooms to graduate students seem to be very subjective in their methods, choosing to ignore the old-fashioned criterion of "first come, first served."

In addition, they should inspect the rooms in Sage and Cascadilla Halls so that, in the future, the costs and space will be allotted more equitably.

Frederick J. Pomerantz,
Grad Student

'Obviously Ridiculous'

Editor:

On Page 3 of the Nov. 29 issue of the Chronicle you printed a picture and caption too absurd for words. The idea of someone working by candlelight in Day Hall at Cornell University is so obviously ridiculous that I feel I must comment.

Was it to impress the trustees, the alumni or other money-donors with Cornell frugality that you set up this photograph? I'm sure you give the average Chronicle reader more credit for intelligence than that. Walking through Day Hall this very morning, I needed neither a sweater to keep warm nor a flashlight to see my way.

I am aware that Cornell University is gleefully complying with President Nixon's energy-saving suggestions. To be more representative of energy cutbacks, however, you ought to show students trying to warm their hands in chilly areas of Uris Library, or trying to see what is on the shelves in the darkened Olin Library stacks.

I would appreciate a reply.

Robert L. Ludwig,
Arts & Sciences '77

(Editor's note: It was assumed that the photo was "so obviously ridiculous" that it would be taken as an attempt at humor. Library officials, by the way, have denied any knowledge of "darkened Olin Library stacks" other than those for which the user has failed to turn on the lights.)

No Smoking in Lynah

(The following letter to John Anderson, director of athletics, is printed here at the request of the writer.)

Dear Mr. Anderson:

I want to commend you for the conscientious and thorough action you and your Department took with regard to a non-smoking policy for Lynah Rink. I wrote last week to ask you if action would be taken and I was extremely pleased at the forcefully announced policy at

the hockey game on Saturday night. As before, the crowd applauded when the no-smoking policy was announced. The air was the cleanest I have ever observed in Lynah, and for once no "blue haze" hung over the ice at the end of the game.

Prompt action like yours is a welcome occurrence in this usually de-personalized world of ours. The non-smokers of Cornell salute you!

Howard Aldrich,
Asst. Professor, ILR

Increase in Parking Fees Proposed

An 11 per cent increase in the cost of parking permits and the redesignation of the Kite Hill student parking lot to a student "E" permit lot at \$60 are two major changes proposed by the University Senate Subcommittee on Parking and Traffic for 1974-75.

Subcommittee chairman Arthur L. Berkey, associate professor of agricultural and occupational education, said the increases were necessitated by a \$50,000 increase in the 1974-75 budget for parking and traffic, an enterprise (self-supporting) budget. Parking and Traffic is one of 18 departmental units included in the proposed \$20.4 million campus life budget.

Under the proposed budget, "U" permits would increase to \$120 from \$108, "E" permits to \$60

from \$54, and commuting student permits other than Kite Hill permits to \$30 from \$27. Additionally, Kite Hill permits, currently \$27, will be increased to \$60, he said.

Half of the increased budget costs are mandated by the University administration, Berkey said. They include increases of \$11,000 due to a revised method of computing fringe benefits for traffic personnel and \$13,000 for salary increases and for administrative overhead.

The 11 per cent proposed increase is the first price increase on the parking permits since the permit system was established in 1970, according to Berkey. Thus, the average annual increase over 1970-73 amounts to 3.7 per cent, he said.

Job Opportunities At Cornell University

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

POSITION (DEPARTMENT)

Senior Administrative Secretary, A-17 (Investment Office)
Administrative Secretary, A-15 (Chemistry)
Administrative Secretary, A-15 (Asian Studies)
Administrative Secretary, A-15 (Hotel Administration)
Administrative Secretary, A-15 (University Library)
Administrative Secretary, NP-8 (Library)
Department Secretary, A-13 (Hotel Administration)
Department Secretary, A-13 (Operations Research)
Department Secretary, A-13 (Sociology)
Department Secretary, A-13 (Scholarship and Financial Aid)
Steno A-11 (Management Systems & Analysis)
Steno II, NP-6 (Vet College)
Steno II, NP-6 (2) (NYSSILR)
Steno II, NP-6 (Planning & Development)
Steno II, NP-6 (Consumer Economics & Public Policy)
Senior Account Clerk, A-13 (Nuclear Studies)
Principal Clerk, A-14 (Center for International Studies)
Keypunch Operator, A-13 (Student Information Systems)
Library Assistant II, A-12 (2) (Library)
Administrative Aide, A-18 (Public Affairs)
Administrative Aide II, A-20 (Water Resources & Marine Sciences Center)
Administrative Aide, A-18 (Construction)
Senior Auditor (Auditor's Office)
Assistant Counsel (University Counsel)
Associate Director (OCS)
Director, Western Regional Office (University Development)
Area Manager (Dining Services)
Catering Supervisor (Dining Services)
Dining Services Manager (Dining Services)
Assistant (Affirmative Action)
Cooperative Extension Specialist TV (Extension Administration 474)
Cooperative Extension Specialist (Extension Administration (Stony Brook))
Personnel Officer, P-20 (NAIC (Arecibo))
Assistant to the Dean (Law School)
Director of Information Services (Communication Arts)
Business Manager (Cornell Campus Store)
Assistant Librarian (Library)
Assistant Director, A-24 (Office of Academic Funding)
Managing Editor (Public Information)
Director of Public Information (Public Information)

Lab Technician II, NP-11 (Poultry Science)
Clinic Assistant, NP-11 (Veterinary Administration)
Sr. Lab Technician, A-18 (Biochemistry, Molecular & Cell Biology)
Research Technician, NP-10 (Natural Resources)
Research Technician III, NP-12 (1-1-74) (Plant Breeding and Biometry)
Research Technician IV, NP-14 (Ecology & Systematics)
Research Associate (Agricultural Economics)
Research Associate (2) (Nuclear Studies)
Research Specialist (Human Nutrition and Food)
Research Specialist (Natural Resources)
Research Specialist (Agricultural Engineering)
Extension Associate (Entomology)
Electronic Technician, A-17 (Chemistry)
Dining Services Supervisor, A-18 (Dining Services)
Short Order Cook, A-14 (Dining Services)
Programmer II, A-21 (Management Systems & Analysis)
Traffic Controller, A-15 (Traffic Bureau)
Patrol Lieutenant, A-25 (Safety Division)
Training and Public Relations Sergeant, A-23 (Safety Division)
Assistant Director-Captain, A-27 (Safety Division)
Building and Key Administrative Sergeant, A-23 (Safety Division)
Administrative Lieutenant, NP-16 (Safety Division)
Sergeant of Patrol, A-23 (Safety Division)
Senior Patrolman, A-21 (Safety Division)
Sergeant-Detective (Safety Division)

PART-TIME AND TEMPORARY POSITIONS

(All part-time positions are also being listed with Student Employment)

Clerk (University Development (temp. f/t))
Clerk, A-9 (2) (Cornell Campus Store (perm. p/t))
Clerk (Admissions Records (temp. f/t))
Receptionist-Typist (University Publications (perm. p/t))
Steno A-11 (Ecology and Systematics (perm. p/t))

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Profs Developing Data For Breeder Reactors

One of the better mouse traps now being considered as an interim solution to the worsening energy crisis is the breeder reactor, an ingenious contraption which produces energy while manufacturing fuel.

At Cornell, a team of three faculty members from the Department of Materials Science in the College of Engineering is working on one aspect of research regarding breeder reactors: developing design data on the materials used to build some reactor components and modifying these materials so as to minimize the danger of leakage, lengthen the life of the parts and maximize the operating efficiency of the reactor.

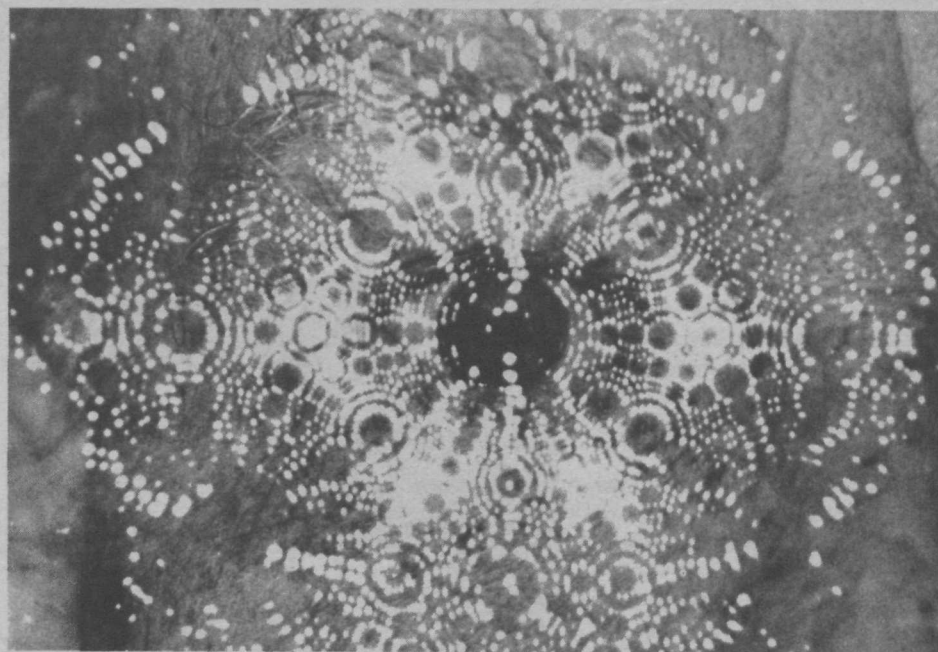
"The breeder reactor is an interim solution, I feel, because there is no 'perfect' solution at present," according to Che-Yu Li, professor of materials science and engineering. "But it's an attractive solution because breeder reactor technology is quite advanced. Several are already operating or near completion in the United States, France, England and Russia. This technology will carry us over for 50 to 100 years as new technologies, such as the use of solar energy, are developed."

Li said that a major question regarding the feasibility of the breeder reactor is operating cost: Can it compete

economically with other sources of power? An important cost factor is the construction material, which he is investigating along with Robert W. Balluffi, the Francis Norwood Bard professor of engineering, and David N. Seidman, associate professor of materials science and engineering. Their research is funded by the National Science Foundation (NSF), the U.S. Atomic Energy Commission (AEC) and the General Electric Foundation.

Essentially, a nuclear reactor is a device for starting and controlling a self-sustaining fission chain reaction. Its most attractive capability, in the face of the fuel shortage, is to furnish heat for electric power generation. (In a fission reaction, a subatomic particle called a neutron is shot at the nucleus of certain atoms, splitting them into radioactive fragments which fly apart at tremendous speed and generate heat. When the nucleus is split, two or three neutrons from its interior are liberated, which strike other nuclei, causing further fission, continuing into a chain reaction.)

But the reactor also needs fuel — a fissionable material, such as uranium, which readily undergoes fission when struck by neutrons. Unfortunately, less than 1 per cent of the uranium found in nature is of the fissionable type, uranium-



EYE TO ATOM — Researcher's eye view of a metal's atomic structure through a field ion microscope.

235. This fact would appear to pose a fuel-shortage problem worse than the one we now face, except that a breeder reactor burns a mixture of fissionable and non-fissionable uranium, converting the more plentiful but non-fissionable uranium-238 into an excellent nuclear fuel: plutonium. The endproducts of the reaction are thus recycled as fuel.

The fuel element, or pin, which contains the fuel mixture in the breeder reactor, is a stainless steel tube several feet long and less than half an inch in diameter. Bundles of about 100 fuel elements are arranged

in hexagonally shaped "cans," which are in turn grouped together to form the hexagonal core of the reactor. There are more than 10,000 fuel elements in the core of some breeder reactors, all being subjected to radiation damage and placed in a hostile environment of liquid sodium at temperatures ranging from 700 to 1,100 degrees Fahrenheit.

The core of the reactor, then, is the core of the problem now being tackled by the Cornell group.

After the breeder reactor has been operating for some time, Li said, "voids" resulting from radiation damage are formed in the stainless steel cladding of the fuel elements, as well as in other stainless steel components.

"Radiation damage actually swells the tube," Li said, "and riddles it with round holes (voids) that make it look like Swiss cheese."

"Reactor safety is an emotional problem for many people," Li said, "but for us it's an economical problem. In the operation of a reactor, the fuel pins are replaced long before they become badly damaged, and of course the fuel inside them is recycled, but it's a very expensive process. We seek another alloy which will better survive bombardment by very fast moving neutrons."

As a first step in this search, Balluffi and Seidman are trying to gain a better understanding of the void formation and swelling phenomenon. Seidman is using a field ion microscope (FIM) to determine what happens to metals on the atomic level — how the atoms are knocked out of place when neutrons hit them.

The regular crystal pattern of the metal is changed as defect clusters, or groups of voids, develop. Balluffi has been studying the nature of defect clusters by transmission electron microscopy and other techniques. He is also investigating the properties of vacancies (missing atoms) in metals by FIM.

During neutron bombardment, atoms are dislodged from their normal positions in crystal lattice, forming displacement spikes. With the FIM, Seidman can count one atom at a time to create a three-dimensional model.

Li uses this information to construct computer models which can predict the amount of swelling induced by the damage and thus indicate when pins should be replaced. At the same time, all three scientists are investigating other alloys which may be better suited to the task than stainless steel.

"Even if we found a better alloy tomorrow," Li said, "we would still need about 10 to 15 years to test it sufficiently before we could safely use it in the breeder reactor."

Terminology Being Devised

'What's in a Name?' Bird Experts Ask

By June of 1975, the International Committee on Avian Anatomical Nomenclature (ICAN) should have some new answers to the old question, What's in a name?

At present there is no internationally standardized terminology for the body parts of birds, according to Howard E. Evans, ICAN member and professor of anatomy in the New York State Veterinary College at Cornell. And while a beak is a beak, bill, or nose to the average American, ornithologists and anatomists all over the world need common descriptive terms to keep the exchange of scientific knowledge precise.

"We're trying to establish a vocabulary of the best terms for all structures," Evans said. He defined the "best term" as one that is as short and simple as possible, is easy to remember and, above all, has instructive and descriptive value. He said that Latin is used as the standard language because of its traditional use as the international language of medicine, although early anatomical works were in Greek.

"Standard Latin names for the parts of the human body have been in common use since 1895 when 'Nomina Anatomica' was accepted in Basel," Evans said. "In 1968, the World Association of Veterinary Anatomists (WAVA) published its 'Nomina Anatomica Veterinaria,' to give the same uniformity to veterinary terminology. I can pick up a veterinary anatomy text in any language now — even Japanese — and match the terms to the pictures." Evans added that while the rest of the text may remain incomprehensible, the correct name associated with a good diagram offers a wealth of information.

The ICAN Guidelines for 1973 notes that there were at least 13 names for the clavicular air sac before the year 1900.



THE FOREST AND THE TREES — For years birds have been obscured in a thicket of confused terminology, a situation which will be rectified by a new system of avian nomenclature.

"Such proliferation of synonyms in the widely scattered literature of avian anatomy," the Guidelines continues, "has created considerable confusion and difficulty."

Even structures with simple names, such as the liver or the spleen, need to be standardized, because a "spleen" in an English text becomes "rate" in French, "bazo" in Spanish and "Milz" in German. The Latin (preferred) term is "Lien."

Evans, a vice president of the WAVA, is chief reviewer of the avian nomenclature subcommittee on sense organs. In this capacity, he must collate all the suggestions submitted by his committee members, review them, raise questions where necessary and prepare a final draft of a list to be submitted at a meeting of the whole ICAN scheduled for Aug. 2-8

in Liverpool.

In addition to his work on the preparation of "Nomina Anatomica Avium," Evans is the author of "Anatomy of the Budgerigar" which appeared in "Diseases of Cage and Aviary Birds" edited by Margret Petrak.

"Many people think anatomy is a dusty old subject, a fait accompli," Evans said. "They have no idea of the amount of active research and heated debate that can go into a project like this." He explained that many structures common to birds are unknown elsewhere in the animal kingdom. There are also many features which may look like parts of mammals but are of uncertain homology because birds are closer relatives of contemporary reptiles than of mammals. Evans said.

Matching Funds Provided New Student Job Program Set

A Student Employment Matching Program (SEMP), designed to increase employment opportunities for students requiring financial aid, will begin next fall, according to James F. Lyon, director of student employment in the Office of Scholarships and Financial Aid.

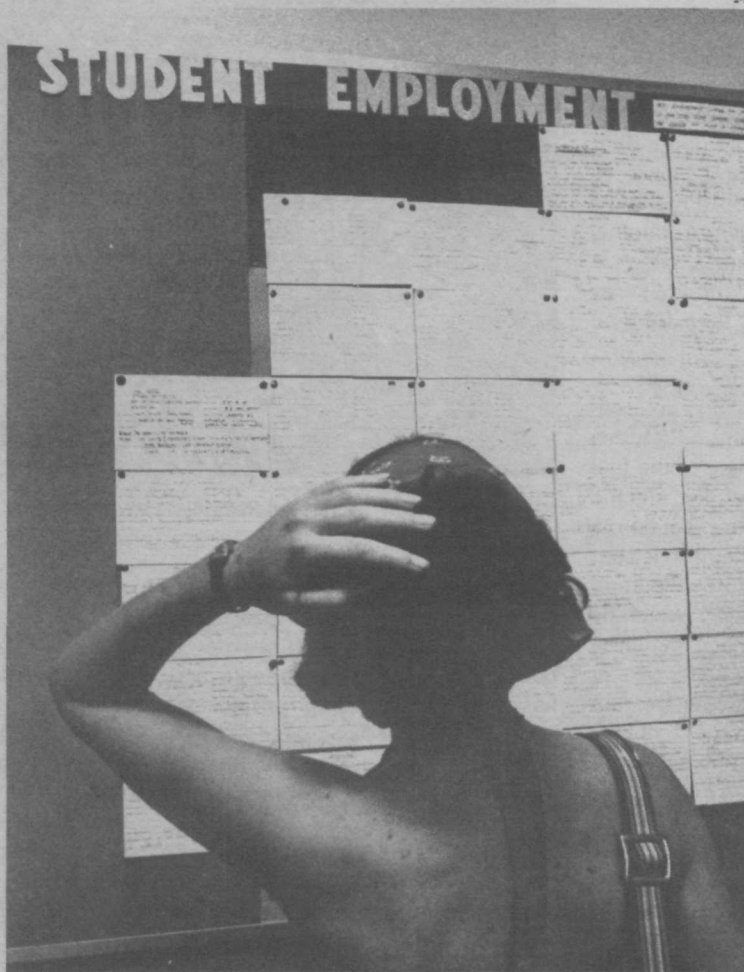
Under SEMP, which Lyon describes as a "50-50 matching program," the Student Employment Office will match dollar for dollar college and department funds to support any appropriate employment opportunity to be filled by a Cornell undergraduate, master's degree candidate or law student as part of his financial aid package.

Appropriate employment, Lyon explained, is any job requiring 10 to 15 hours per week and offering students the opportunity to earn \$600 to \$800 during the 1974-75 academic year. Every University employer will be eligible for matching money if the student employed has demonstrated through the Office of Scholarships and Financial Aid that he has unmet financial need, he said.

"SEMP was developed in response to an anticipated decrease in federal funding for the College Work-Study Program (CWSP) and in accordance with recommendations of 'Cornell in the Seventies,' a long-range planning report for Cornell through the 1970s," Lyon said. Under CWSP, offices and departments pay from 0 per cent to 20 per cent of student employees' salaries, with CWSP and University funds covering the balance.

SEMP will embrace all employment of financial need students including employment formerly provided through CWSP. CWSP will, therefore, lose its identity except for federal reporting purposes.

"The new program will provide a cushion against cuts in CWSP funds, provide an increase in the



number of student job opportunities and will allow more students the option of working rather than taking on large loans," Lyon said. "We expect the program to exceed the one million dollar level, as compared with the \$600,000 spent through CWSP in 1972-73."

Off-campus social service employment will be considered for support through SEMP, Lyon said, as it was through CWSP. In these cases, either the sponsoring college or the off-campus agency may cover the employer's 50 per cent commitment.

During the 1974-75 budget proceedings, each college, special program or division has been asked to identify dollars to be committed to the 50-50 program. Upon approval of the budget, funds designated for

SEMP will be assigned to a separate account which will be available only to cover payroll expenses of SEMP employees.

Departments will retain the right to select the specific individual from among a reasonable number of referrals to be made by the Student Employment Office. "Should our office be unable to generate a reasonable pool of candidates for the SEMP positions for which funds have been designated, an adjustment will be made to transfer these funds back to the appropriate college's or division's account," Lyon said.

Hourly rates for SEMP employees shall be consistent with University scales, as determined by the Office of Personnel Services.

Stuart Brown to Return To Direct Project in STS

Stuart M. Brown Jr., former vice president for academic affairs and former dean of the College of Arts and Sciences at Cornell University, will return to the Cornell faculty Feb. 1, 1974. The Executive Committee of the University Board of Trustees at its meeting Nov. 15 elected Brown professor of philosophy and executive director of the Humanistic Implications of Science and Technology Project in Cornell's Program on Science, Technology and Society, for five-year terms.

"The new project," said Raymond Bowers, director of the program, "is designed to provide ways of bringing the knowledge and perceptions of humanistic scholars to bear on major social problems arising from the increased impact of science and technology."

"Stuart Brown's undergraduate training in biology and his lifelong interest in the subject, coupled with his work as a philosopher in ethics, provides him with special qualifications for this project," Bowers said.

Brown left Cornell in 1970 to become vice president for academic affairs and a professor of philosophy at the University of Hawaii in Honolulu.

Brown, who earned both his bachelor's and doctoral degrees at Cornell, was Cornell's vice president for academic affairs from 1968 through July 1970.

He was dean of the Arts College from 1964 to 1968. An authority on the philosophy of ethics and political theory, Brown was chairman of the Department of Philosophy for 10 years before being named dean. He joined the Cornell faculty in 1942.

Sheldon Gets Planning Post At Cornell Medical Center

Roger Sheldon has been appointed Vice President for Planning of The New York Hospital-Cornell Medical Center. Dr. E. Hugh Luekey, president of the center, announced the appointment and said Sheldon will be responsible for planning activities in the center office.

Sheldon had been executive assistant to Dr. Luekey since May 1, 1972. An economist and specialist in education consultation, Sheldon came to the center from Rockefeller University, where he served as consultant to the president, coordinating the joint effort by Rockefeller University, NYH-CMC and the Hospital for Special Surgery to acquire from New York City the rights to build over the East River Drive. He had previously served as an independent consultant to the Center for Urban Education and was an associate in the educational consulting firm of

Heald, Hobson, and Associates. Sheldon is a graduate of Dartmouth College, where he received a bachelor of arts degree in chemistry and zoology in 1949. He also holds a bachelor of arts degree and a master of arts degree in philosophy, politics, and economics from Oxford University.

Boulding Named Prof-at-Large

Economist Kenneth E. Boulding has been elected an Andrew D. White professor-at-large at Cornell by the University Board of Trustees for a six-year term.

Boulding, a former president of the American Economic Association, is the director of the Program of Research on General Social and Economic Dynamics at the Institute of Behavioral Science at Colorado University.

Book Explains Concepts Astrophysics Made Easy

A reader may shy away from a book whose title contains words he doesn't understand, but if he gets beyond the cover of the recently published "Astrophysical Concepts," he will find a large body of knowledge made understandable for the non-specialist.

Author Martin Harwit, chairman of the Department of Astronomy at Cornell, has concentrated on concepts in this book because he believes that the physical processes basic to astrophysical phenomena are likely to survive longer than currently accepted explanations for individual astronomical observations.

Astrophysics is a relatively new word (less than 100 years old); it is the science concerned with the physical and chemical properties of celestial bodies.

The succeeding three chapters enlarge on topics outlined in the first chapter, showing how science obtains quantitative insights into the structure and evolution of stars, the dynamics of cosmic gases and the large-scale behavior of the universe. A final chapter discusses exobiology — the study of life forms throughout the universe.

Published by John Wiley & Son, New York (1973), "Astrophysical Concepts" is the November main selection of the Library of Science, a scientifically oriented book club.

Academic and Financial Dateline

Monday, Dec. 7 — Spring Financial Aid renewals for "fall only" award recipients applications due. Rm. 205, Day Hall.

1974-1975 Financial Aid applications available Dec. 3, 1973. Due March 1, 1974. Rm. 205, Day Hall.

Reminders: All students leaving the University second semester that are under Cornell Housing contract please come to Rm. 223 Day Hall to sign a vacate form Nov. 29-Dec. 7.

The Cornell Housing \$60 security deposits for those who have not paid is now due. Second semester registration materials will be held if not paid. Rm. 223, Day Hall.

Spring Term Registration Material Information — Registration material for students in Agriculture and Life Sciences, Arts and Sciences, Engineering, Graduate School, Hotel and Human Ecology may be obtained in the Memorial Room of Willard Straight, Tuesday, Jan. 22 through Thursday, Jan. 24, 8:30 a.m.-4:30 p.m.; and on Friday, Jan. 25, 8:30 a.m.-3 p.m.

Students in other divisions may pick up material at their division office during the same period.

Registration Timetable and Physical Locations — Registration for new and rejoining students will be conducted in the Memorial Room of Willard Straight, Thursday, Jan. 24, 8 a.m.-noon.

Registration for continuing students will be on Friday, Jan. 25, 8 a.m.-noon and from 2-4 p.m. Students will register at the time and location (Barton Hall or their division office) indicated in their registration material.

The divisions of Agriculture and Life Sciences, Arts and Sciences, Graduate School, Industrial and Labor Relations, Hotel and Human Ecology will conduct registration in Barton Hall. All other divisions will conduct registration in their division offices.

Students who wish their Dec. 31, 1973 Cornellcard bills sent to a different address please come to the Cornellcard Office, Rm. 260, Day Hall, before leaving for Christmas vacation.

All overdue Cornellcard bills must be paid before Jan. 1, 1974; otherwise spring registration materials will be held.

German Humanist Discusses Aesthetic Theory

A new aesthetic theory responding to Marxist criticism of individual enjoyment of art and literature was the theme of a number of meetings here last week between Cornell scholars and German humanist Hans Robert Jauss.

Jauss, who was on campus as the guest of the Society for the Humanities, is developing an aesthetic theory around the concept of reception — how art and literature are received — as it deals with society as a whole, as well as with the individual.

Jauss is a professor of comparative literature and Romance studies at the University of Konstanz in Germany. He is returning to Germany this week after spending the fall term as a visiting professor at Columbia University.

The German scholar said that there is validity in the Marxist criticism of what is characterized as decadent bourgeois aesthetics, that is, that it has dealt with the sensitivities of the individual and has ignored stimuli for mass social reform.

Art, according to the Marxists, must be one aspect of the effort to effect social change and good for all. This Marxist view, no matter how exemplary, is one-sided, Jauss said. The Marxist goal, he said, more often than not kills imagination, the key element of any art and therefore the key to aesthetics. Marxist art fails so often, he said, because it is didactic and moralistic.

Jauss proposed an aesthetic theory which tries to respect the rights of enjoyment and imagination and the social function of art. He calls this aesthetics of reception.

Aesthetics as a science was first conceived by Alexander Baumgarten, in Germany in 1750, as study of the human capacity which perceives beauty. In this sense, aesthetics was always a science of reception. But in Baumgarten this reception was purely individual.

Jauss implied he is taking the social aspect of the concept of spirit in the philosophy of Hegel, and striving for a synthesis of the old idealism and the modern Marxist concept.

He places his aesthetics of reception between an individualistic aestheticism that would admit and fulfill the laws of any establishment, and the law-breaking attitudes that are associated with Marxism. Between norm fulfilling (conformism) and norm breaking (Marxism), Jauss aesthetic of reception would be the straight middle way of norm creating enjoyment.

An example of his idea, he said, is the concept of courtly love, which became a force for social change. The artificial manners of the poets caused a slow transformation of social manners and finally a revolution in the conception of women in the late Middle Ages.

Beyond this possibility of dialogue from the social point

of view, aesthetics of reception is a complement to the aesthetics of presentation or expression, which understands the work of art from the point of view of the creator or from the internal elements of the work itself. Although it has been always admitted that the artist creates in view of a social environment, this environment is not taken sufficiently into consideration for the aesthetic analysis. This social aspect is emphasized in the aesthetics of reception as proposed by Jauss. In his lecture of Nov. 21, Jauss showed how his theory works with the different attitudes of the public.

These were among some of the ideas which formed the background for the public lecture and a series of informal discussions and a colloquium at the Society for the Humanities with several Cornell literary critics and authorities. Among those present were M.H. Abrams, the Frederick J. Whiton Professor of English; Herbert Dieckmann, the Avalon Foundation Professor in the Humanities; Eric A. Blackall, the Jacob Gould Schurman

Professor of German Literature; David I. Grossvogel, the Goldwin Smith Professor of Comparative Literature and Romance Studies; W. Wolfgang Holdheim, chairman of the Department of Comparative Literature, and Ciriaco M. Arroyo, the Emerson Hinchliff Professor of Spanish Literature.

Among the many questions which arose during the discussions with Jauss were the following: 1. What is the difference between reception of the type Jauss proposes and the traditional one in books of the type titled "Shakespeare in France," "Cervantes in Russia" and "Goethe and World Literature"? 2. What is exactly the meaning of aesthetic reception in reference to the writing enjoyed by the masses today, since this literature is usually not the literature analyzed in the University?

Jauss implied that these questions and other points raised during his stay on campus will provide new departures for his work on the development and refinement of his theories.

Cross Country Team Walks to Banquet



VARNA VIEW — The lights of a gas station in Varna lights up the faces of the Cornell cross country team as they make their annual walk from campus to the Varna Community Church for their team banquet last Friday. Coach Jack Warner believes the tradition of walking to the church started more than 50 years ago. As has been the custom, the women of the church prepared a turkey dinner for the team.

Before Congressional Committee

Student Testifies on Disasters

Neil Getnick, a junior in the College of Arts and Sciences at Cornell, appeared before the House Public Works Committee Nov. 13 to testify on behalf of the New York Public Interest Research Group Inc. (PIRG).

He said the federal government's program for handling disaster relief in the Elmira area after Hurricane Agnes was inadequate, and called for a contracting clearinghouse to be set up by the

Federal Assistance Administration of the Department of Housing and Urban Development to license contractors in disaster areas.

The study of federal disaster assistance was conducted over the past five months by the New York PIRG, a non-profit, non-partisan research organization funded by the students of New York State colleges and universities.

Sage Notes

Since graduate student support will be tight next year, students are again urged to apply for outside funds. The Career Center has information on what is available. Notice has been received of several additional fellowships: The Josephine de Karman Fellowship Trust will provide one year (renewable) support for students either in their final undergraduate year or entering their third year or later of graduate school. Special consideration will be given to applications in humanities, although those from any discipline will be considered. Application forms are available from Mr. T. E. Beehan, Secretary, Fellowship Committee, Josephine de Karman Fellowship Trust, c/o Aerojet - General Corporation, 9100 East Flair Drive, El Monte, Cal. 91734. The Ralston-Purina Company is again providing graduate fellowships for research in the fields of nutrition and physiology, in areas of dairy science, animal science, and poultry science. Applications may be obtained from Ralston-Purina Research Awards Committee, c/o Mr. George H. Kyd, Ralston-Purina Company, St. Louis, Mo. 63188. Resources for the Future, Inc. provides one year fellowships for graduate students to complete doctoral dissertations in the area of natural resources. The work must involve the social sciences or related fields of study and relate to natural resources. Information on this fellowship is in the Career Center.

NATO senior fellowships in science are available through the National Science Foundation for one to three months support of staff and faculty personnel. The purpose is to permit study of new scientific techniques and developments at research and educational institutions in other NATO nations or in countries cooperating with NATO. NATO also sponsors postdoctoral fellowships, a program on challenges of Modern Society, research fellowships in the humanities and social sciences, research grants and advance study institutes. Applications and further information may be obtained from the Division of Higher Education in Science, National Science Foundation, Washington, D.C. 20550.

Winter Sports Scoreboard

HOCKEY — Record to date: 2-0-1. Recent results: Cornell 6, Western Ontario, 2; Cornell 12, Waterloo 4; Cornell 5, St. Lawrence 5. This week's schedule: Dec. 8, Brown.

BASKETBALL — Record to date: 1-2. Last week's results: Rochester 78, Cornell 59; Cornell 61, RPI 60; Syracuse 82, Cornell 61. This week's schedule: Dec. 7-8, Show-Me Classic, Columbia, Mo.; Dec. 10, at Pittsburgh.

TRACK — Record to date: 1-0. Last week's results: Cornell 89, St. John's 47. Next meet: Jan. 19, Cornell Invitational.

SWIMMING — Record to date: 0-1. Last week's results: Cornell 45, Princeton 68. This week's schedule: Dec. 8, Pennsylvania; Dec. 11, at Yale.

WRESTLING — Record to date: 0-0. Last week's results: First in Cortland Tournament. This week's schedule: Dec. 7, Navy; Dec. 8, Springfield.

SQUASH — Record to date: 0-1. Last week's results: Harvard 10, Cornell 0. This week's schedule: Dec. 7, Seton Hall; Dec. 8, Pennsylvania; Dec. 11, at Yale.

FENCING — Record to date: 1-0. Last week's results: Cornell 20, Buffalo 7. This week's schedule: Dec. 8, at Pennsylvania; Dec. 11, at Yale.

GYMNASTICS — Record to date: 0-1. Last week's results: Penn State 154.85, Cornell 134.85. This week's schedule: Dec. 7, at Southern Connecticut; Dec. 8, at Army.

Senate Recoups Its Initiative on Housing

Continued from Page 1

The 13 departments included in the overall budget receive their financing from one or more of the following: 1. earned income (enterprise or self-supporting), 2. charges to students formerly in "fees" (proportional draw) and 3. University subsidy (unrestricted funds), he said.

Key increases under discussion included a proposed 3.5 per cent hike in housing room rates, an 8 per cent hike in dining prices and an 11 per cent boost in parking permit charges.

Senators defeated separate straw vote proposals to lower the housing increase and to increase parking permit costs. Approved in separate informal votes were proposals to eliminate a 3.5 per cent University Unions charge on all Dining Services sales in Unions' buildings and to prohibit parking and traffic (Department of Transportation Services) from allowing its fine collection costs to exceed the department's fine "income" by more than 25 per cent.

The proposed food price increase was allowed to stand, if such increases are necessary to dining's trustee mandate to be self-supporting.

Informal preferential straw votes were also taken on 14 "new program requests" suggested for Senate approval by the CLC from 28 requests received by CLC totaling over \$350,000. The suggested new program package totals about \$54,000 and, if approved or amended by the Senate in February, will be forwarded to the Board of Trustees. The Board must approve both new programs and the entire final budget before they take effect for 1974-75. (For itemization and description of proposed new programs, see table on Page 8.)

Interrupting its informal budget discussion after a 7:30 p.m. supper break, the Senate reconvened as a voting body to pass overwhelmingly a bill describing policy guidelines for room assignments in single student housing for 1974-75. All freshmen and about two-thirds of the transfer student applicants for University housing will be accommodated first. There will be no group selection. Special and small units will conduct their own membership selection and room assignment procedures, except that each special unit will reserve a predetermined number of spaces for freshmen and transfers. A lottery procedure for upperclass students will give both on and off campus students equal chance for the remaining beds. A student may enter a lottery for continued occupancy of one's room or an all-campus lottery, but not both.

Harold O. Levy, a senior in the New York State School of Industrial and Labor Relations reintroduced, in substance, an amendment defeated informally Nov. 27 prohibiting, in its intent, incoming COSEP students from requesting COSEP roommates. By a vote of 61 to 31, the senators again defeated the amendment which would have prevented in Levy's words, the Office of the Dean of Students (ODS) from allowing categorical roommate selection on the basis of "race, national origin or ethnic background." (See Corson's statement on Page 2.)

(On the HEW question, Mrs. Ruth Darling, associate dean of students, was incorrectly represented in the Cornell Chronicle, Thursday, Nov. 29. ("Lack of Attendance Prevents Senate Action on Housing," p. 1, vol 5 No. 13.) She did not, as the story indicates in summary, state "categorical selection was

DIVISION OF CAMPUS LIFE NEW PROGRAM REQUESTS 1974-1975 BUDGET		
Rated A by Campus Life Committee		
DEPARTMENT	PROGRAM DESCRIPTION	(in thousands) AMOUNT
A. Health Services	Funds to partially support contraceptive clinical and laboratory examinations for students and enrolled spouses. (Cost of contraceptive prescriptions are specifically excluded)	\$12.5
B. Career Center	Funds for a full time clerk to support the work of the minority students counselor. (This counselor was established as a new post last spring)	6.1
C. Office of Dean of Students	Funds to reprint the information booklet on off-campus housing.	1.0
D. Office of Dean of Students	Funds to continue three resident directors in the Special Living units (Risley, Ecology House, UJAMAA) (Positions were funded full time this year from special University funds. O.D.S. is expected to provide half the funds in 1974-75, and three quarters in 1975-76 if it wishes to continue this program).	5.0
E. Office for the Coordination of Religious Affairs	Contribution to Suicide and Crisis Service of Tompkins County	0.5
F. Joint request of International Student Office and Dean of Student Office	Funds for partial salary (2.4) support for the full time director of the International Living Center. The remaining funds are already in the O.D.S. and I.S.O. budgets	2.4
Rated A- by Campus Life Committee		
DEPARTMENT	PROGRAM DESCRIPTION	(in thousands) AMOUNT
G. Health Services	Revision and reprinting of the U.H.S. Brochure. This brochure describes the health services available to students and gives general information on health matters. The brochure was prepared by the student advisory committee on health services (SACHS).	\$ 3.0
H. Career Center	Additional funds to provide for a full time assistant director who would be a woman devoting full time to women's counseling (remaining funds to come from operating budget)	5.5
I. Office for Coordination of Religious Affairs	Funds for partial support for the CIVITAS coordinator.	3.0
J. Physical Education	Support for coaching staff for women's Intercollegiate Sports.	8.0
K. Physical Education	Increase in general expense for women's Intercollegiate Sports.	2.0
Rated B by Campus Life Committee		
DEPARTMENT	PROGRAM DESCRIPTION	(in thousands) AMOUNT
L. International Students Office	Travel to professional meetings.	0.8
M. Office of Dean of Students	Graduate assistant to provide consultation for the peer group training program, to assist full time staff in EARS' training program.	2.9
N. Office of Dean of Students	Additional printing of Sex Education handbook (.5) and (.2) for funds for speakers in sex education conference.	0.7
TOTAL ALL REQUESTS IN CATEGORIES A, A-, and B		53.8
The following shall be the budget of the Division of Campus Life. (Appendices are not intended as parts of this bill proper).		

acceptable" to HEW, during a meeting of the University Senate Tuesday night (Nov. 27).

(Mrs. Darling reaffirmed this week her Nov. 27 statement that the roommate selection option for minority students "has been approved in principle by the Housing Subcommittee of the Senate and the Minority and Disadvantaged Interests Committee.

("The proposal was submitted to HEW in a letter from President (Dale R.) Corson on Sept. 19, 1973. HEW had made no specific response to the proposal, and had neither approved nor disapproved the proposal until the letter received this week," she said.)

A recommendatory resolution for cost of living increases in graduate student assistantships also received overwhelming approval, with an amendment requesting special compensation for such students with dependent children.

In subsequent budget discussions, Laurie Zelon, a senior in the College of Arts and Sciences, proposed that symmetry between men's and women's physical education and athletics budgets be established by 1975-76 and that per-athlete parity in the University's subsidy to male and female athletics be implemented within five years. Divided into two votes, the first issue passed almost unanimously and the second by 44 to 18.

Currently, the women's physical education and athletics budget functions

as a unit, while the men's programs appear as distinct budgets for "physical education and recreation", and for "intercollegiate athletics."

Zelon said the per athlete University subsidy of non-income producing men's intercollegiate sports was three times greater than that for women's.

McGinnis told the body the Department of Physical Education and Athletics 12 per cent (\$73,600) subsidy increase from unrestricted funds was due "to very standard requisite increases" such as inflation, salaries, fringes and general expenses. It is the largest percentage subsidy increase of the 18 campus life budgets.

The amendment to eliminate dining's 3.5 per cent compensation to Unions for utilities and operating costs of its facilities will, if approved in February, cost Unions approximately \$93,000 income. Robert C. Platt, a first-year law student and student trustee, introduced the successful amendment.

The proposal to reduce room rent hikes from 3.5 per cent to approximately 2.9 per cent through reduction in the number of dormitory resident advisors (RA) failed 16 to 78. The RA cutback was to have increased housing income by \$37,000 according to the proposal's undergraduate sponsors.

Prior to approval of the Platt dining amendment, McGinnis said the CLC dining policy study group suggested a substantial subsidy for that department in its report to the committee.

McGinnis said the suggestion might "serve as the basis for a major change in the philosophy" behind dining's enterprise status.

An amendment to limit future dining price increases to half the cost experienced by dining failed 29 to 41.

University Health Services received unanimous straw vote approval of its budget.

Before defeat of an 11 per cent proposed hike in parking permit costs in the enterprise parking and traffic budget, Lance Haus, director of transportation unsuccessfully tried to counter another amendment prohibiting parking and traffic violation processing expenses from exceeding derived income by more than 25 per cent. Violation processing costs Transportation \$50,000, and produces some \$40,000 income in unrestricted University funds, Haus said when asked for a clarification following the floor discussion. A \$10,000 "violations processing fee" is returned by the administration to the department as partial subsidy for collection expenses, Haus said.

William D. Gurowitz, vice president for campus affairs, in arguing against the ceiling on processing violations, told the body that the University has offered to match \$125,000 in Transportation's funds to be used for improved traffic circulation and road maintenance. Gurowitz said this action came in response to a campus life budget guideline change approved by the Senate last year requesting fine income over the \$10,000 "subsidy" be returned to Transportation for allocation to a peripheral parking fund.

Charles K. MacKay, a graduate student initiated the ceiling amendment.

Haus, commenting yesterday morning, said the projected loss to parking and traffic exceeds the \$250,000 sum mentioned by Gurowitz Tuesday night.

The MacKay amendment, Haus said, would eventually eliminate an additional \$350,000 in income produced by permit sales because the department would be unable to afford an enforcement program. "If there is no sanction against parking illegally, there is no sense in selling permits," he said.

Continued discussion on the budgets will take place during a special session, Tuesday, Jan. 29. The time and location of the meeting will be announced.

Paintings Exhibited

An exhibition of paintings by May Stevens will be on view at the Herbert F. Johnson Museum of Art Wednesday, Nov. 28, through Friday, Dec. 21.

Ms. Stevens, currently a visiting critic on the art faculty at Cornell, has been creating and refining an openly political art throughout the greater part of her career. According to Thomas Leavitt, director of the Johnson Museum, "Stevens is an artist who reveals a deep commitment to the issues of contemporary life. She has now turned her energies to social satire. In the burlesqued, yet menacing figure of Big Daddy, who appears again and again in these paintings, are captured the brutality and chauvinism which distort the American dream. It is a most powerful social critique."

This exhibit is being circulated through the courtesy of the Terry Dintenfass Gallery, New York City.

Wallace B. Rogers to Manage University's Critical Resources

Wallace B. Rogers, director of general services at Cornell, has been designated the University's critical resources manager.

The appointment of Rogers to serve in this capacity for the duration of the current energy crisis was announced yesterday by University President Dale R. Corson.

"The appointment of Mr. Rogers as critical resources manager," Corson said, "reflects the need to center in one person at the University the responsibility for dealing with growing problems relating to the availability of energy products such as gas, water, oil, steam and coal and responsibility for monitoring governmental allocations and for filing governmentally required reports.

As critical resources manager, Rogers will be responsible for the implementation of University-wide programs related to the use of energy products and other critical resources. He will also deal with problems which may result from governmental controls of energy and other related products. Rogers will assume the resources position as an additional duty, maintaining his position of general services director. In both capacities, he will report to Samuel A. Lawrence, vice president for administration.

Rogers will be the University's agent in seeking supplemental allocation of energy products necessary for the maintenance and operation of University facilities and will be responsible for the filing of statistical reports and data required by federal, state and local governments.

"As the energy situation has progressed from a matter of potential concern to a matter of national emergency, the University has recognized that it will be essential to develop a well-organized program which will be able effectively to relate to responsible governmental

agencies and to live as best we can with such controls as may be imposed," Lawrence said. "Plans for such an organization are now being developed and will be implemented within the next 10 days," he added.

"Although to this date we still lack definitive information, it appears that gasoline and fuel oil supplies will be sharply curtailed over the next several months and that shortages may develop among certain petroleum derivatives and other products," Lawrence said.

Rogers' responsibilities, Lawrence said, are expected "to complement and strengthen the activities of the Energy Conservation Task Force but will extend beyond the Ithaca campus to include those University operations located

elsewhere in New York State."

The Energy Task Force, chaired by Robert Clawson, utilities rate engineer in the University Department of Buildings and Properties, was formed earlier this fall to provide technical advice on energy matters and to promote the voluntary cooperation of the campus community in matters of energy conservation. Rogers' function will be "to cope with a situation of scarcity and to address himself to the implementation of controls," Lawrence said.

Until formal procedures are established, Lawrence said, University departments and agencies with specific problems involving the use or procurement of critical resources should contact Rogers for assistance.

Barton Blotter Noyes Has Food Fight

A free-wheeling "food fight" in Noyes Center last Friday night led the list of incidents reported on the University Safety Division's morning reports this week — reports that continue to include many cases of petit larceny.

The incident in Noyes Center erupted when a group of male students sitting in the center of the dining area began throwing food at each other, then at other diners in the room. Some of the other diners threw food back. The affair is being investigated by the Safety Division, and persons cited will be referred to the judicial administrator. There were no injuries.

The larcenies this week include an edited copy of Cornell Engineer from the editor's mailbox in Carpenter Hall; a purse containing \$5 in cash from a table in the basement of Sage Chapel; a wallet containing \$17 in cash from a purse in a lounge area of Willard Straight Hall; two purses containing a total of \$21, left unattended near the entrance of the Thirsty Bear Tavern.

Also, a coat, two purses and about 65 wine glasses from the Memorial Room of Willard Straight Hall, total value \$214; a battery from a car parked in the West Dorms lot, value \$20; a tan corduroy coat from the Thirsty Bear, value \$50; an antenna from a car parked in the Thurston Hall lot, value \$25.

Also, two brass tubes, a component for the door chimes at 109 Triphammer Road, value \$25; \$20 in cash from a room left unsecured in North Campus Dorms.

University May Help Form Car Pools

A suggestion from a librarian at Cornell is being explored to see if the University can compile lists of employees by geographical area to form car pools.

Robert Clawson, utilities rate engineer and chairman of the University's Energy Conservation Task Force, said a request from Madeline Cohen Oakley, librarian for interlibrary lending and photoduplication at Olin Library, suggested the possibility of a computer printout that could break down employees by geographic area to make it easier to form car pools. This has been referred to management Systems and Analysis, which had already been trying to produce this printout. Clawson will announce when and where it will be available if the effort succeeds.

Another suggestion from the same person resulted in the repair of control valves on heat at Goldwin Smith Hall. The valves were previously inoperative, causing full heat at all times.

Some other suggestions coming from the task force are:

- Save energy by limiting shower time to three minutes.
- Turn off incandescent lights anytime they are not needed.
- Turn off fluorescent lights whenever they will not be

needed for 10 minutes or more.

—Turn off High Intensity Discharge lights (such as mercury vapor) anytime they will not be needed for a half hour or more.

Some persons have been over-diligent in their efforts to

conserve electrical energy, Clawson said. He referred specifically to lights having been turned off in stairways. These lights should be left on whenever a building is occupied, he said, to allow for safe exit in the event of an emergency.

Recent Judicial Decisions

University Hearing Board Decisions

A panel of the University Hearing Board found a student guilty of a violation of Article II, Section 2.m of the Campus Code of Conduct in that he intended to misuse a University Co-op dining card. The panel imposed a penalty of a written reprimand and an order to pay a fine of \$25 or perform the comparable amount of community service.

Another panel found a student guilty of a violation of Article II, Section 2.g in that he harassed several individuals by indecent behavior. The panel imposed a penalty of a written reprimand and one calendar year of disciplinary probation. For any violation other than a minor traffic violation, the defendant may be suspended for a stated period not to exceed one year. The panel strongly believed that an individual is responsible for his actions at all times, not excluding states of intoxication. He is especially responsible to others he may adversely affect in such a state.

A panel of the University Hearing Board found a student guilty of a violation of Article II, Section 2.g of the Campus Code of Conduct in that he harassed another student by means of anonymous telephone calls. The panel imposed a penalty of disciplinary probation for the remainder of the academic year. For any violation other than a minor traffic violation, the defendant may be suspended for a period not to exceed one year. The panel also imposed a penalty of \$50, or the equivalent in community service, to be performed before the end of the academic year and also ordered the defendant to send a written apology to the complainant for his involvement in the harassment.

The panel considered harassment to be a very serious offense but mitigated the penalty because the defendant was cooperative, stated his acceptance of responsibility and appeared to be sincerely apologetic; also there was no serious harm done to the complainant.

A panel of the University Hearing Board found a student not guilty of a violation of Article II, Section 2.h of the Campus Code of Conduct which involved his failure to redeem three bad checks cashed at the University Unions. The panel concluded that circumstances beyond the defendant's control were responsible for his failure to redeem the checks.

The panel ordered the defendant to reimburse the Unions for the amount of the checks before the end of the semester.

Report on Summary Decisions

During the past three weeks, six summary decisions have been offered by the judicial administrator and have been accepted by the defendants. One student admitted the theft of two books from the Campus Store with a total value of \$36.90. The summary decision consisted of a written reprimand and a choice of a \$100 fine or 40 hours of acceptable community service. The increased penalty was offered because of the unusually high value of the stolen goods.

Another student admitted to a violation of Article II, Section 2.a of the Campus Code of Conduct which involved the misuse of a Co-op dining identification card. The summary decision consisted of a written reprimand, a choice of a \$25 fine or 10 hours of community service, and \$20 restitution to University Dining Services.

Four students admitted to violations of Article II, Section 2.h of the Campus Code of Conduct which involved their failure to redeem bad checks that had been cashed at the University Unions. Each defendant accepted a summary decision consisting of a written reprimand and a choice of a \$10 fine or 4 hours of community service, except that the defendants in the two most recent cases were not offered the community service alternative. It was decided that an acceptable service project cannot be performed in a period as short as four hours.

Job Opportunities

Continued from Page 4

- Steno I, NP-5 (Agricultural Economics (perm. p/t))
- Dept. Secretary, A-13 (Program on Policies for Science and Technology in Developing Nations (p/t))
- Dept. Secretary, A-13 (Water Resources and Marine Sciences Center (temp. p/t))
- Telephone Operator, A-11 (B&P Telephone Service))
- Program Aide II, NP-7 (Floriculture and Ornamental Horticulture (temp. f/t))
- Jr. Lab Tech (Neurobiology & Behavior (temp. f/t))
- Technical Aide I, NP-9 (NYSSILR (temp. p/t))
- Lab Technician II (Food Science (temp. f/t))
- Research Specialist (2) (NYSSILR)
- Jr. Electronic Technician (Nuclear Studies (temp. p/t))
- Waiter, A-9 (Statler)
- Library Assistant, A-10 (Library (temp. p/t))
- Library Assistant II, A-12 (2) (Library (perm. p/t) (temp. p/t))
- Administrative Clerk, A-16 (Investment Office (perm. p/t))
- Production Assistant (Communication Arts/ETV Center (perm. p/t))

Albert W. Boesche, 100

Albert W. Boesche, professor emeritus of languages at Cornell, died Friday in Boonton, N.J. He was 100 years old.

He was a member of the National Modern Language Association, the National Association of German Teachers and the Town and Gown Club.

Boyer Discusses Cornell-SUNY Relations

Continued from Page 1

will continue to do, for we have a mission equal to the complexity of the task.

"The last thing I hope to see is a reassertion of territorial imperatives. In a partnership good will is absolutely imperative. If either side pushes too hard, the partnership will collapse in a hailstorm of acrimony.

Chancellor Boyer praised the "conditions of accommodation" between the State University and Cornell during the presidency of Corson at Cornell.

"What we will need in the days ahead," he said, "is a high tolerance of ambiguity. This is true not only for Cornell and the State University but for most other universities, and indeed most other organizations. From now on we all live in an intricate web of interdependencies, in a new, interrelated social ecology. The days of unambiguous control, power, or financial ties is over — at least for the advanced democratic nations. What is essential is statesmanship that can rise above administrative overlaps.

"This past March, your State Relationships Committee, or the so-called Adams Committee, issued a report which urged a hard look at the four statutory colleges at Cornell. I can only applaud the main thrust of the report. The state colleges at Cornell have on occasion been allowed to drift like orphans. Being the shared property of both, they have sometimes tended to seem like the deep concern of neither. But I am optimistic that joint meetings about the present and future of these vitally important State colleges at Cornell will only strengthen and clarify their purpose, service and programs — provided that the inherent ambiguities of the partnership are accepted and that education aims take precedence over operational procedures." The chancellor noted that only recently the State University Board of Trustees had established a subcommittee on Cornell relations, and expects that this committee



Ernest L. Boyer

and the Cornell State Relationships Committee will meet together soon.

"I realize full well," he said, "that words like respect, good will, trust and integrity have a stale look, a hollow ring in our time. Yet, the outstanding success of this utterly unique 75-year-old experiment in American higher education has depended heavily on heavy injections of such rare qualities. If these qualities cannot be demonstrated at two of this nation's finer universities, I shudder to think about the quality of our society in the years ahead.

"But I am confident that both Cornell and the State University will continue our unusual partnership — to the benefit of thousands of people in each generation. That you have so graciously invited me here to help celebrate the State University's 25th Anniversary is testimony that my confidence is justified. Thank you for the privilege."

In his introduction of Chancellor Boyer at the convocation, Cornell President Dale

R. Corson quoted from a resolution of the Cornell Board of Trustees, which earlier this fall noted that the State University of New York has:

"In its 25 years of existence, become the largest, centrally managed system of public higher education in the nation;

"Grown from 29 state-supported campuses into an organized system of higher education comprising 72 institutions, enrolling (in 1972-73) 234,000 full-time and 127,000 part-time students;

"Developed a comprehensive program of instruction at the advanced degree, four-year and two-year levels;

"Experimented courageously with educational innovations particularly in the field of continuing education;

"Through its support of the programs of the four statutory colleges which are a part of Cornell University, enabled those colleges to maintain vigorous programs of instruction, research and public service."

Boyer Sees No Tuition Increase

At a news conference following his address to the Cornell community, Ernest L. Boyer, chancellor of the State University of New York, said last night that he had no intention of recommending any increase in the tuition fees for the State University.

Boyer also discussed the possible location of the Boyce Thompson Institute (BTI) on the Cornell campus, the accountability of the State University to New York taxpayers and some personal views of public education.

New York State University tuition fees are already among the highest in the country, Boyer said, and he sees no reason to make them higher.

Boyer called the BTI, a not-for-profit independent research organization, "an asset." The institute is at present located in Yonkers but is exploring the possibility

of moving out of the rapid urban buildup in that area.

The chancellor said he would be happy to see the institute remain in the state and he was pleased that the state had the bonding capacity to fund a building on Cornell's campus to house the laboratory.

Boyer said that no fixed formulae were used to define the budgets of the various components of the State University. He noted that, except for the state medical schools, the statutory colleges at Cornell are the most generously funded from the \$600 million annual budget.

The taxpayers of the state, he said, have a right to know, in general, how the State University spends its money. He cited faculty-student ratios and building square footage and use as examples of the kinds of things taxpayers should know.

"An institution is made healthy by its openness," he said.

Boyer spoke briefly of the State University's goal of providing education to all the people of the state.

"Until we can break down the barriers of time and location," he said, "and bring education to the people who want it when and where it is convenient for them, talk of public education is just empty rhetoric." He said that the University of the Air "flopped" because it offered courses at 8 a.m. on Saturday mornings or at hours when working people had to be at work.

He said he hopes for a day when our finest professors can be featured on video tapes which could be checked out of tape libraries by anyone wishing to learn. He also mentioned the possibility of running courses in local newspapers.

Overnight Parking Banned On Campus During Winter

Cornell's policy on overnight parking on the campus during the winter months prohibits parking from Dec. 1 to April 1, 1974, according to William H. Richards, manager of the University's Traffic Bureau.

The overnight ban begins at 3 a.m. Any vehicles found parked on the campus after that hour will be issued a summons and may be towed at the owner's expense, Richards said. Exceptions to the overnight rule are:

1. Persons living in University housing to whom parking permits have been issued may use the areas assigned to them at all times.

2. University employees whose regularly scheduled shift is between 10 p.m. and 8 a.m. and whose names, job titles, places of work, and telephone numbers are reported to the Traffic Bureau may park in any legitimate parking spot in the lots adjacent to their buildings.

3. Faculty and graduate students whose research projects may from time to time necessitate their parking on the campus at night, may park in any legitimate parking spot adjacent to the buildings housing said projects upon notifying the Traffic Bureau or Safety Division prior to actually parking on the campus. Notification should include name, title, building and room number, telephone number, and vehicle description and plate number.

4. Students using the computer terminals at Clark and Upson Halls should park in the lot on the east side of Rockefeller Hall or in the Phillips Hall parking lot.

Intersession Art Course Open

Ten students will be taking an Art History course in Kingston, Jamaica, Jan. 4-18. The course is in Futurism, an avant-garde art movement that took place around World War I.

The two-credit course is being taught by Susan Falkenhausen, grad, under the supervision of professors Kahn and Falkenheim. Places in the class are still open. There are no prerequisites. Persons interested in taking the course should call Mark Lilien at 256-0682.

Student's Work on Dog Hormones May Lead to Canine Birth Control

Unwanted dogs may become a thing of the past if current research being carried out by William R. Holder, a student at the New York State College of Agriculture and Life Sciences at Cornell, proves successful.

Holder, an undergraduate student in the Department of Animal Science, is involved in research to determine the effects of various levels of adrenal hormones in the blood of dogs as the animals experience the stages and stresses of reproduction, especially those involved in birth.

"Very little is known of how these hormones affect the dog's ability to cope with stress or whether or not they may be responsible for triggering the reproduction processes," said Holder.

The study involves the analysis of the animal's blood after stressful situations to determine whether specific changes in the levels of these hormones affect the reproduction and birth processes.

By studying these hormone



levels, Holder hopes to show that they are an integral part of canine reproduction and eventually apply this information to methods of control.

An outstanding student in the area of animal science, Holder is

one of a small number of students in the College given an

opportunity to make early contributions to his field through

the development of an independent research project

The Senate Page

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

NEXT SENATE MEETING: Tuesday, Feb. 5, 7:30 p.m., Kaufmann Aud.

Senate Calendar		Office.	noon, Senate Office.
THURSDAY, DECEMBER 6	Dining Subcommittee, 5 p.m., G-92 Uris Hall.	MONDAY, DECEMBER 10	University as an Employer, 4:30 p.m., 214 Ives Hall.
FRIDAY, DECEMBER 7	Nominations and Elections Committee, 1 p.m., Senate	Committee on Academics, 3:30 p.m., Loft 11, WSH.	WEDNESDAY, DECEMBER 12
		Executive Committee, 4:45 p.m., Senate Office.	Codes and Judiciary, 4:30 p.m., Senate Office.
		TUESDAY, DECEMBER 11	
		Planning Review Committee,	

Senate Actions — Nov. 27, 1973

(Complete texts of all University Senate actions are available in the Senators' Study, 124 Day Hall.)

SA NO.	TITLE AND ABSTRACT	SPONSOR	ACTION TAKEN
SA-223	COC NOMINATIONS TO SENATE COMMITTEES [Bill to fill Senate committee vacancies.]	COC	ADOPTED
SA-224 [D-77-a]	BOYCOTT FARAH! [This resolution urges the Cornell Community to become informed of the issues leading to the boycott of Farah products and to support the boycott.]	Executive Comm.	ADOPTED

Current Legislative Log

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

BILL NO. & DATE SUB.	TITLE AND ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
D-115 11/28/73	RIGHT-TO-KNOW MEDICAL TREATMENT ACT [An act to insure that students having personal or religious beliefs against immunizations are notified that they are not required to have any such immunizations.]	Fred C. Schlaugh	B.O.S.H.
D-116 11/26/73	THE "POWER TO THE PEOPLE BYLAW REVISION OF 1973" [Amends the Bylaws to provide for community referenda on Senate actions or to determine a sense-of-the-community.]	B. Nichols, R. Harrison	Executive Comm.
D-117 11/28/73	THE QUORUM COUNT BYLAW REVISION [Amends the quorum rule for Senate meetings by including all voting Senators who have signed in as present at a Senate meeting in the quorum count for the first two and one-half hours of the meeting.]	Ben Nichols	Executive Comm.
D-118 11/29/73	THE LEGISLATIVE CONTINUITY ACT [An act which would allow legislation acted upon by Senate committee but not by the full Senate to be carried over to the following Senate.]	Dan Grausz	Executive Comm.
D-119 11/30/73	AN ACT TO MANDATE PUBLIC MEETINGS OF FACULTY LEGISLATION MEETINGS [A bill to make meetings of faculty legislative bodies open to the public.]	Charles MacKay	Academics
D-120 11/30/73	THE UNIVERSITY AND THE PRISONER ACT [A bill to endorse the recommendation of the Special Committee on the University and the Prisoner concerning a criminal justice major and efforts by members of the Cornell Community to improve prison conditions.]	Robert Platt	Educational Innovation
D-121 12/1/73	1974-1975 CAMPUS LIFE BUDGET [Understandings, Recommendations, new program requests, narrative descriptions, tabular budgets and selected statistical appendices are proposed for the 1974-75 Campus Life Budget.]	Campus Life Comm.	Campus Life Committee

Sage Christmas Program Set

The Sage Chapel Choir, performing in its 75th anniversary year, will present its annual Sage Chapel Christmas Program at 8:15 p.m. Sunday and Monday.

The format of this year's program will resemble the English service of lessons and carols, according to Donald R.M. Peterson, choir conductor and associate professor of music. Works on the program will include carols by R. Vaughan Williams and J.S. Bach as well

as familiar Christmas hymns. Barbara Troxell, associate professor of music, will read passages from Christmas scriptures and G. Marc Loudon, assistant professor of chemistry, will serve as organist.

Soloists, all choir members, will be Jay Spiegel, Jeffrey Hoffstein, Eleanor Cresson, Wendy Grossman, David Nelson, Kevin Smith, Christine Balser, Theodore Lindeman, Nancy Newcomer and Jeffrey McGregor. Raymond T. Fox,

associate professor of floriculture and ornamental horticulture, will supervise Christmas decorations for the program.

Admission will be by free ticket only. Tickets are available at Willard Straight Ticket Office and Mayers Smoke Shop.



Bulletin Board

Environment Questionnaire Distributed

Early next week, all faculty members will receive a questionnaire from Walter R. Lynn, director of the Center for Environmental Quality Management (CEQM), distributed as part of CEQM's effort to identify teaching and research being done at Cornell on environmental topics.

Lynn also hopes that the questionnaire will help him locate faculty members who are interested in such activities, but are not now engaged in them.

Faculty members are asked to respond to the questionnaire by Dec. 21, so that the results can be summarized and analyzed before the beginning of the spring semester.

"If a faculty member should be interested in teaching a course or doing research on the environment," Lynn said, "the center will be able to help him or her find out whether the course or project has been done before and by whom, and what colleagues might be interested in a joint effort."

NSF Offers RANN Programs

The National Science Foundation (NSF) is seeking proposals for two programs under its directorate of Research Applied to National Needs (RANN). Proposals for "Decision-Related Research on the Organization of Service Delivery in Metropolitan Areas," due at NSF by Jan. 22, 1974, must deal with fire, police, solid waste collection and disposal, public health and water and sewage management. The deadline for proposals in "Decision-Related Research in the Field of Local Government Management" is Jan. 24, 1974. The objectives of grants under this program are to (1) provide the knowledge needed to improve the delivery of local government's services and (2) foster extensive utilization of validated alternatives among local governments. Further information is available from the Office of Academic Funding, 123 Day Hall.

Water Resources Research Grants

The Office of Water Resources Research, U.S. Department of the Interior, is now accepting research proposals in the field of water resources for consideration for fiscal year 1975 support beginning July 1, 1974, funded by Title II of the Water Resources Research Act of 1964. The deadline for submission of proposals is Jan. 11, 1974. Faculty interested in applying for these funds should contact Leonard Dworsky, director of Water Resources and Marine Sciences Center, 256-7535; David Allee, associate director, 256-6550; or Dianne Bozler, assistant to the director, 256-7536, 468 Hollister Hall.

German Fellowships Available

Cornell has been asked to name two candidates for fellowships at German universities. The fellowships are for periods of ten months each, commencing in October 1974.

Applications should be submitted on or before Monday, Dec. 10 to the Department of German Literature, Goldwin Smith 172. Candidates will be interviewed during the week beginning Dec. 10.

Graduating seniors and graduate students may apply for the fellowships. The application should include a project outline, a transcript covering at least the spring term of 1973, and the name, address and telephone number of the applicant.

Postsecondary Education Funds

The Fund for the Improvement of Postsecondary Education is soliciting proposals in three broad areas. Deadline for submitting preliminary proposals under the "Comprehensive Program" is Dec. 15. This program supports projects related to reform, innovation and improvement of postsecondary education in five areas: 1. new approaches to teaching the learning, 2. implementing equal education opportunities, 3. revitalizing institutional missions, 4. new educational missions and 5. encouraging an open system.

In proposals dealing with "Special Focus Program: Approaches to Competency-Based Learning," the Fund is looking for two elements: 1. the identification and formulation of competency objectives and 2. assessment for mastery competencies and the attainment of specified competencies. Proposals for this program and for "Special Focus Program: New Incentive Structures: Creating Conditions Which Encourage More Effective Faculty Participation in the Learning Process" are due Jan. 15, 1974. Further information is available from the Office of Academic Funding, 123 Day Hall.

NATO to Award Senior Fellowships

The National Science Foundation (NSF) will award some 30 NATO Senior Fellowships in Science for 1973-74. The awards, consisting of travel costs plus \$20 per day for one to three months, are not intended for support of research, sabbatic study, or travel to a scientific meeting but rather to improve the educational and/or research potential of the nominating institution at the graduate or advanced level. Proposals are due at NSF by Jan. 31, 1974. Applicants must have full professional standing in their field, at least five years' experience in research, teaching or other relevant professional work, and the necessary linguistic ability for discussion with colleagues in the country to be visited. Further information is available from the Office of Academic Funding, 123 Day Hall.

Calendar

December 6-16

Thursday, December 6

12:15 p.m. Floriculture and Ornamental Horticulture Seminar: "Recent Developments in Use of Plastics in Horticulture." Dr. Raymond Sheldrake Jr., prof., Dept. of Vegetable Crops, Cornell. 404 Plant Science Building. Coffee at noon.

4 p.m. Dept. of Natural Resources Seminar is canceled.

4:30 p.m. Bioengineering Seminar Series. Special topics in bioengineering. Hollister B-14. All interested students are welcome.

4:30 p.m. Food Science Seminar: "Physicochemical and Nutritional Implications of Modified Food Starches—II." Paul Bruns, Dept. of Food Science, Cornell. 204 Stocking Hall. Refreshments at 4:15 p.m.

6 p.m. "Table Française" — Ici on parle français. Ivy Room, Willard Straight Hall.

6 p.m. Christian Science Organization Testimony Meeting. Founders Room, Anabel Taylor Hall. Visitors are welcome.

8 p.m. Lecture by Sen. George McGovern. Bailey Hall. Sponsored by Sigma Phi and Interfraternity Council Speaker Committee.

8 p.m. Cornell Duplicate Bridge Club regular weekly game. Elmhurst Room, Willard Straight Hall.

8:15 p.m. *Cornell University Theatre production: *Mary Stuart*, by Wolfgang Hildesheimer. Willard Straight Theatre.

8:15 p.m. Music Dept. Concert: Cornell University Trio. Works of Beethoven. Barnes Hall.

Friday, December 7

9 a.m. - 4:30 p.m. Elections for Biological Sciences Curriculum Committee. Outside Stimson 118. All undergraduates majoring in biology are eligible to vote.

Noon. Open meeting. Women's Studies Program Advisory Group. 431 White Hall. Bring your lunch, coffee provided.

1 - 5 p.m. A recorded holiday afternoon with Charles Dickens. A.A. Milne, Ogden Nash and Dylan Thomas (reading "Child's Christmas in Wales"). Uris Library Classroom — see Uris Library lobby for scheduled times for each selection.

4 p.m. Western Societies Program Seminar on Center-Periphery Relations. Prof. Sidney Tarrow, Government Dept., will speak on "Integration at the Periphery: The State and the Rural Community in France and Italy." 153 Uris Hall.

4:45 p.m. Studio Dance performance. Helen Newman Hall. Open to all.

5:30 p.m. Cornell Catholic Community — Evensong. Room 218, Anabel Taylor Hall.

7 & 9:15 p.m. *Cornell Cinema Film: *Alfred Hitchcock's Frenzy*. Statler Auditorium.

7 & 9:15 p.m. *Cornell Cinema Film: *The Chaplin Revue*. Three previously unavailable shorts. Uris Hall.

7:30 p.m. Theatre Arts Workshop production of *Night Song*. Kaufmann Auditorium.

8 p.m. *Lecture/Film: "An Evening With Muhammed Ali." Bailey Hall. Sponsored by University Unions Program Board.

8 p.m. *Cornell Polo - Virginia (women's). Cornell Riding Hall.

8 p.m. Cornell Astronomical Society meeting. Fuertes Observatory. Guest speaker, Dr. J. Veverka, "The Canals of Mars and Other Planets." Members only.

8:15 p.m. *Cornell University Theatre production: *Mary Stuart*, by Wolfgang Hildesheimer. Willard Straight Theatre.

8:15 p.m. Music Dept. Concert: Student Composer's Song Recital. Kathryn Henderson, soprano. Original works. Barnes Hall.

8:30 p.m. Western Societies Program, Faculty Workshop on Center-Periphery Relations in Western Europe. Ives 118.

Saturday, December 8

9 a.m.-noon & 1:30-5 p.m. Western Societies Program, Faculty Workshop on Center-Periphery Relations in Western Europe. McGraw 145.

12:15 p.m. Cornell Catholic Community, Mass for Feast of Immaculate Conception. Anabel Taylor Hall.

2:30 p.m. Studio Dance performance. Helen Newman Hall. Open to all.

5 p.m. *Steaks Ltd. Statler Student Cafeteria. A class project of students of Hotel Administration.

6 p.m. *Steaks Royale. Statler Main Dining Room. A class project of students of Hotel Administration.

7 & 9:15 p.m. *Cornell Cinema Film: *Alfred Hitchcock's Frenzy*. Statler Auditorium.

7 & 9:15 p.m. *Cornell Cinema Film: *The Chaplin Revue*. Three previously unavailable shorts. Uris Auditorium.

7:30 p.m. Theatre Arts Workshop production of *Night Song*. Kaufmann Auditorium.

8 p.m. *Cornell Polo - Harvard. Cornell Riding Hall.

8:15 p.m. *Cornell University Theatre production of *Mary Stuart*, by Wolfgang Hildesheimer. Willard Straight Theatre.

9:30 p.m. Risley Free Film Series: *You Only Live Once* (1937), directed by Fritz Lang. Henry Fonda, Sylvia Sydney and Barton MacLane. Risley Theatre.

10:30 p.m. *Concert: Tom Rush and Marie Maldour. Bailey Hall. Presented by the Cornell Concert Commission.



Sunday, December 9

9:30 a.m. Episcopal Church at Cornell. Anabel Taylor Chapel. All are welcome.

10 a.m. Friends (Quaker) Meeting for Worship and First Day School. Anabel Taylor Forum. Discussion following worship. All are welcome.

10:30 a.m. Ruhani Satsang. Sat-Guru Kirpal Singh's Divine Science of the Soul. Loft II, Willard Straight Hall.

11 a.m. Sage Chapel Convocation: Dr. Charles E. Boddie, president, the American Baptist Theological Seminary. Nashville, Tenn.

2 p.m. Johnson Museum Matinee Series: Film on Modern Painting: *Painter's Painting*. Free tickets available at the Museum to members anytime, may be picked up by non-members on day of showing.

6 - 8 p.m. *Statler Sunday Night Smorgasbord. A class project of students of Hotel Administration.

7 p.m. Table Tennis Competition. Beginners welcome. Barton Hall.

8 p.m. *Cornell Cinema Film: *Invasion of the Body Snatchers*. Uris Auditorium.

8:15 p.m. Music Dept. Concert: Sage Chapel Christmas Program. (To be repeated Dec. 10.)

Monday, December 10

4:30 p.m. "Civilization" film series with Sir Kenneth Clark: "Heroic Materialism." 19th and 20th centuries: Industrialization, Social Reform, Tolstoi and Einstein. Technology and Contemporary Society. Goldwin Smith D.

4:30 p.m. Film: *Signals for Survival*, on the behavior of gulls. Presented by the Office of Marine Biology in conjunction with the Laboratory of Ornithology. Room 233, Plant Science Building. Repeated at 7:45 p.m. in Laboratory of Ornithology, Sapsucker Woods Rd.

8 p.m. *Cornell Cinema Film: *Je T'Aime, Je T'Aime*. Willard Straight Theatre. Film Club members only.

8:15 p.m. Sage Chapel Christmas Program.

Tuesday, December 11

4:30 p.m. Dept. of Geological Sciences Seminar: "Trenches Revisited." Dr. D. Karig, Dept. of Geological Sciences, Cornell. 212 Kimball Hall. Coffee at 4 p.m.

8 p.m. Communal Penance Service. Cornell Catholic Community. Anabel Taylor Chapel.

8 p.m. *Cornell Cinema Film: Jean Harlow and Loretta Young in *Platinum Blonde*. Willard Straight Theatre.

8 p.m. Lecture: "Two Worlds of Childhood, China and USA." Prof. Urie Bronfenbrenner. Bailey Hall.

Wednesday, December 12

4 p.m. Willard Straight Hall Board meeting. Loft II, Willard Straight Hall.

4:30 p.m. Faculty Council of Representatives meeting. Ives 110.

8 p.m. Sigma Delta Epsilon, "Taking Pictures People Like." Prof. Richard Fischer, science education. 135 Emerson Hall. All are welcome. Business meeting at 7:30 p.m.

8 p.m. *Cornell Cinema Film: *Alfred Hitchcock's The Lady Vanishes*. Uris Auditorium.

Thursday, December 13

8 p.m. *Cornell Cinema Film: *Gentlemen Prefer Blondes*. Willard Straight Theatre.

Friday, December 14

7 & 9:15 p.m. *Cornell Cinema Film: *The Graduate*. Statler Auditorium.

7 & 9:15 p.m. *Cornell Cinema Film: *Super Fly*. Uris Auditorium.

8:15 p.m. Music Dept. Concert: Alexander Skeaping, harpsichord. Bach's Goldberg Variations. Barnes Hall.

Saturday, December 15

7 & 9:15 p.m. *Cornell Cinema Film: *The Graduate*. Statler Auditorium.

7 & 9:15 p.m. *Cornell Cinema Film: *Super Fly*. Uris Auditorium.

Sunday, December 16

9:30 a.m. Episcopal Church at Cornell. Anabel Taylor Chapel. All are welcome.

10 a.m. Friends (Quaker) Meeting for worship and First Day School. Anabel Taylor Forum. Discussion following worship. All are welcome.

10:30 a.m. Ruhani Satsang. Sat-Guru Kirpal Singh's Divine Science of the Soul. Loft II, Willard Straight Hall.

11 a.m. Sage Chapel Convocation: Ecumenical Christmas Service. The Rev. O'Kelly Lawson, Wilmington, N.C., presiding.

6 - 8 p.m. *Statler Sunday Night Smorgasbord. A class project of students of the Hotel School.

7 p.m. Table Tennis Competition. Beginners welcome. Barton Hall.

8 p.m. *Cornell Cinema Film: *This Island Earth*. Willard Straight Theatre.

Exhibits

Franklin Gallery: Undergraduate Sculpture Exhibition - open to Dec. 8.

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

Herbert F. Johnson Museum: May Stevens - to Dec. 21; Eadweard Muybridge - Dec. 5-21 and Jan. 8 - Jan. 16; Indonesian Photographs - to Dec. 9; Photo Realism - to Dec. 21; Contemporary Prints from the Museum's Permanent Print Collection - to Dec. 21; George Loring Brown - to Dec. 21. The Museum will be closed from Dec. 22 to Jan. 8.

Olin Library: "The Men of '14: Ezra Pound, T.S. Eliot, James Joyce, Wyndham Lewis."

Sibley Dome Gallery: Student Print and Photography Show and Sale - to Dec. 14.

Uris Library: "Skylab 3: Official Photographs from NASA."

Cornell University Press

The following books have been published by Cornell University Press.

Temkin, Owsei: *GALENISM: Rise and Decline of a Medical Philosophy*. Publication date is October 26, 1973. \$15.00.

Anderson, Donald F.: *WILLIAM HOWARD TAFT: A Conservative's Conception of the Presidency*. Publication date is October 25, 1973. \$15.00.

Travis, James: *EARLY CELTIC VERSECRAFT: Origin, Development, Diffusion*. Publication date is October 19, 1973. \$12.75.

McKelvey, John J., Jr.: *MAN AGAINST TSE-TSE: Struggle for Africa*. Publication date is October 26, 1973. \$12.50.

Kennedy, Michael L.: *THE JACOBIN CLUB OF MARSEILLES, 1790-1794*. Publication date is October 22, 1973. \$12.50.

Kearney, Robert N.: *THE POLITICS OF CEYLON (SRI LANKA)* — South Asian Political Systems Series. General Editor: Richard L. Park. Publication date is October 26, 1973. \$13.50.

Buell, Lawrence: *LITERARY TRANSCENDENTALISM: Style and Vision in the American Renaissance*. Publication date is October 29, 1973. \$13.50.

Thorburn, David and Geoffrey Hartman, editors: *ROMANTICISM: Vistas, Instances, Continuities*. Publication date is November 5, 1973. Cloth \$13.50, paper 3.95.

Manning, Frank E.: *BLACK CLUBS IN BERMUDA: Ethnography of a Play World*. Publication date is November 9, 1973. \$16.75.

Morenz, Siegfried: *EGYPTIAN RELIGION*. Publication date is October 31, 1973. \$19.50.

Firth, Sir Raymond: *SYMBOLS: Public and Private*. Publication date is November 9, 1973. \$16.50.

*Admission charged.

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

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