



CORNELL CHRONICLE

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Senate Bows Out with Work, Sentiment

The University Senate, in its final meeting Tuesday night, nominated Mary T. Christian, director of the Division of Education at Hampton Institute in Hampton, Va. for a four-year term as an at-large member of the Cornell University Board of Trustees.

During the legislative housecleaning session, the Senate also confirmed President Dale R.

Corson's nominees to the positions of judicial administrator, judicial adviser and University ombudsman, and passed a bill adjusting penalties that can be inflicted under the campus judicial system.

Most of the session was business-like, but there were occasional touches of sentimentality as senators read tributes to Senate office employees, Senate Speaker

Malcolm Noden, and Associate Dean of Students Ruth Darling, who is retiring. The blackboard in the front of Ives 110 bore the usual admonition, "Senators Please Sign In!" with the somber addendum, "This is Your Last Chance." The Senate will cease to exist at midnight April 30, to be replaced by the new Campus Council.

The Senate selected Christian

from a list of four candidates after three rounds of balloting. The nomination must be approved by the Board of Trustees at its May meeting, and, if approved, Christian will succeed James L. Gibbs Jr. Christian received her doctorate from Michigan State University in 1967 and has been involved with the teaching of elementary education since 1960.

Dale A. Grossman, a 1972 Cornell graduate who was admitted to the New York State Bar in February, was approved by the Senate to succeed Barbara M. Kauber as judicial administrator. Eugene C. Erickson, professor of rural sociology, was approved to succeed Kenneth I. Greisen as University ombudsman, and Peter J. Calin, a first-year student in the Cornell Law School and the Graduate School of Business and Public Administration, will succeed Isiah C. Matthews as judicial advisor.

The judicial bill passed by the Senate mandates a change in the dollar value of community service work students are permitted to perform in lieu of fines. The senate raised from \$2.50 to \$3 the value of each hour of community service labor. At the meeting, Judicial Administrator Kauber said the move is necessary to compensate for the effects of inflation on the money value of labor.

Senators presented Speaker Noden with a gavel and wood plaque bearing the inscription "No Real Choice" to commemorate his term in office. Scott Dyer read into the record a resolution commending the Senate office employees for their years of service.

"We, the members of the Cornell University Senate, wish to express our appreciation to the members of the Senate Staff — Gloria DiNicola, Sue Thompson, Rita Smidt, Ginger

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Future Freshmen Get First-Hand View

Mindy Schwartz, a student tour guide from the Information and Referral Center, begins her oration to prospective freshmen and parents. The University Admissions Office estimates that about 600 accepted freshman applicants have taken advantage so far of Cornell's offer of hospitality under the Host Program, which will continue until May 2.

Undergraduate Seats, Trustees Elections

Council Ballots Mailed

Campus Council election ballots for the five council seats allotted to undergraduate students were mailed out this week. The deadline for returning the mail forms is May 6.

William D. Gurowitz, vice-president for campus affairs, said nine undergraduates are running for two one-year terms and eight for three two-year terms. He said there will be no balloting for graduate student and employee seats, since no graduate students are running and only two employees petitioned for the two council seats allotted to them.

The two employees are Mary Ott, a research associate in the college of Engineering and a former member of the Provost's Committee on the Status of women, and Gail Roy, a records clerk in the University admissions office.

Of the 17 undergraduate students running, 11 are students in the College of Arts and Sciences. The Council charter states that no

more than two seats can be filled by students from any one college.

A revised version of the charter with only minor changes is now available at the three student unions, in the Information and Referral Center in Day Hall and at 103 Barnes Hall.

Gurowitz said he had hoped for more participation from all University constituents and a better distribution of undergraduate students.

Elections for the three student positions on the Board of Trustees also got under way this week, according to Gurowitz, with nine students running for two two-year

terms and six students running for a one-year term. In addition, five candidates are running for the one employee trustee position.

Elmer Meyer Jr., dean of students, said 31 applications for the 60 student seats on the Council's campus life committees have been received so far, but he expects more by the May 6 deadline. While there has been only one application for the 22 employee positions, several more may come in since all employees were sent committee applications with the undergraduate ballots.

Meyer also said he has sent out mailings to student organizations urging members to apply.

Elections for the seven faculty positions on the Campus Council have not begun yet, according to Byron W. Saunders, dean of the University Faculty, since the Faculty Committee on Nominations has not yet completed its list of nominated candidates.

Judiciary Report

The full text of the report of the committee reviewing Cornell's campus judicial system will be printed in next week's issue of Cornell Chronicle.

Hospitality Marks Hotel Ezra Cornell

Students in the School of Hotel Administration will roll out the red carpet this weekend for the 52nd annual Hotel Ezra Cornell.

Long known as "the world's only hotel for a weekend," the event will start Friday and run through Sunday with a guest list of the "Who's Who" in the hospitality and food service

industries, many of them alumni of the Hotel School. More than 300 persons are expected to attend and reap the benefits of an employee/guest ratio six times greater than most luxury hotels.

This year's theme is the world of movies, a motif featured in the

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Students' Rights Hearing Set

The University Hearing Board has instructed Barbara Kauber, judicial administrator, to file charges against the University for alleged violation of Article V, Section 5 of the Statement of Student Rights, on the grounds that certain University offices hold, or did hold as of last spring, documents pertaining to Mr. and Mrs. James A. Livingston's political activities in March 1973.

A hearing on the case will be held at 4:30 p.m. Wednesday, May 4, at a place to be announced.

Article V, Section 5 of the Statement of Student Rights states that "no records shall be kept which reflect the political activities or beliefs of a student unless the student specifically submits such information."

Affirmative Action Advisory Board

Recommendations Made

The Affirmative Action Advisory Board (AAAB) has presented its final recommendations on the University's affirmative action plan to Provost David C. Knapp.

The recommendations, which deal both with specific details of the plan and with matters of fundamental policy, are based on three public hearings, suggestions by the Provost's Advisory Committee on the Status of Women, other groups and individuals, and AAAB's own discussions.

The AAAB pointed out that while affirmative action plans by law concern themselves with employee matters, a successful affirmative action program at Cornell must encompass students as well as faculty and staff. A major emphasis should be placed on recruiting minority and female undergraduates and graduate stu-

dents in an effort to increase the number of qualified candidates in the pool, it stated.

Stating that under the present system it is often difficult for women and minorities to attain upper-level faculty positions, the AAAB recommended that the provost and college deans work to develop ways to remove the barriers to the advancement of women and minorities.

"At the very least, a statement should be added (to the plan) which urges ad hoc tenure committees to invite members of under-represented groups to serve, wherever feasible," the group recommended.

The AAAB noted that the Office of Personnel Services will be responsible for extensive record keeping as well as for other duties

associated with affirmative action and urged a comprehensive evaluation of the office to ensure that procedures for recruiting and screening applicants are effective. The evidence indicates, according to the board, that additional space, staff and funds will be required.

Until the University begins to collect appropriate data routinely, progress toward affirmative action will be limited, the group said. It urged that forms already developed for reporting on searches and hires be put into use for non-academic appointments as soon as possible — without waiting until the final version of the affirmative action plan is available. Similar forms are already in use for academic appointments, the board noted.

Although persuasive measures are more likely than punitive ones to induce willing compliance with affirmative action policies and procedures, sanctions may be necessary in cases of non-compliance, the board found. It suggested that in cases of serious non-compliance, the University's senior officers might publish the non-complying unit's poor results, impose pre-search and pro-offer monitoring and restrict appointments.

The board stressed that the success of affirmative action at Cornell relies on the good faith of the University's officials and administrators and that this assumption should be specifically outlined in the plan's introduction.

The complete AAAB recommendations will soon be available at the reserve desks of the University libraries, where the complete draft affirmative action plan already is available.

Balloting Deadline Set

The deadline for voting in the Campus Council and Trustee elections is Friday, May 6. Ballots must arrive at 133 Day Hall by 5 p.m. that day.

Ballots were mailed this week to students and employees. If a student or an employee has not received a ballot, they can vote in room 133, Day Hall. Ballots should be returned promptly by campus mail or directly to 133 Day Hall.

Cornell Professor Goes to Washington

A Cornell government professor has become one of the Department of State's top advisers on nuclear non-proliferation policy.

Lawrence Scheinman, on leave of absence, is chief deputy to Joseph Nye, deputy undersecretary of state for security assistance (himself a political scientist on leave from Harvard). According to *Energy Daily*, a leading trade journal in the energy field, "It is clear that he (Nye) will be the Carter Administration's lead person on the proliferation issue."

Scheinman, who holds the title senior adviser for non-proliferation policy, described his role as that of an alter ego to Nye. "Under his authority I am spokesman for the office, represent the State Department externally on non-proliferation issues and deal internally with other bureaus on policy questions," he said.

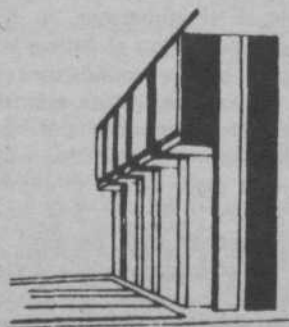
An expert on international law and organization, as well as international energy policy (he holds a law degree as well as a Ph.D.), Scheinman has been active with Cornell's Center for International Studies since he came here in 1972 from the University of Michigan. In 1974, he became director of Cornell's Peace Studies Program, a Ford Foundation financed arms control research center.

Last year Scheinman took a leave of absence to work in the federal Energy Research and Development Administration (ERDA). As senior policy analyst for international policy planning, he led studies on nuclear issues, was the chief ERDA

representative for international aspects of a special White House nuclear policy review during the summer of 1976, and served as the chief policy planning adviser to ERDA's assistant administrator for international affairs.

Energy Daily said the new non-proliferation policy group at the State Department represents a drastic change from the Ford administration's approach to nuclear proliferation issues. "Although it is not yet quite clear how the various offices will shake down, a look at the people turning up in them indicates a definite change in the direction of U.S. policy," the paper reported in its Jan. 31 issue.

"In keeping with campaign statements made by President Carter, it appears that his administration's approach to non-proliferation will lean much more heavily on stringent controls, safeguards and sanctions, to the probable detriment of the less rigorous initiatives that have characterized U.S. policy under Republican administrations," the paper wrote.



Senate Swan Song

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Sullivan, Bev Detwiler. They have given service to Cornell University above and beyond the call of duty during their tenure and it has been through their help and encouragement that Senators have been guided through countless procedures, debates and meetings. These are the people behind the scenes — we all commend them on jobs well done and for their important contributions to self-government at Cornell. Thank you, and we wish you well in the future."

The senate also approved a resolution thanking Ruth Darling for her years of service as a senator. Darling, who is retiring from her post as associate dean, thanked her fellow senators and said:

"It has meant a great deal to me to be a part of this body, going all the way back to the days of sitting on the floor of Barton Hall during the Constituent Assembly. The Senate has been a unique body, and I must say that I've had my disputes with the Senate over the last years. But I want to say now, for the record, that I'm sorry to see it go."

Job Opportunities
At Cornell University

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

Individuals in lay-off status will be given preference in referrals.

* indicates new jobs in this week

(sh) indicates shorthand required

POSITION (DEPARTMENT)

CLERICAL POSITIONS

Administrative Aide, A-20 (B&PA (ASQ))
Executive Secretary, A-19 (Univ. Dev. (N.Y.C. Regional Office) (sh))
Administrative Aide I, A-18 (Univ. Counsel & Sec'y to Corporation (sh))
Administrative Aide I, A-18 (Africana Studies & Research Center)
Sr. Admin. Secretary, A-17 (Univ. Development (Western Regional Office))
Sr. Admin. Secretary, A-17 (Personnel (sh))
Sr. Admin. Secretary, A-17 (Arch/Art/Plann)
Benefits Assistant, A-16 (Personnel)
Assistant Cashier, A-16 (Cashier's)
Administrative Clerk, A-16 (Dining Services)
Admin. Secretary, A-15 (STS Program)
Admin. Secretary, A-15 (Health Services)
Administrative Secretary, A-15 (Public Services)
Administrative Secretary, A-15 (Office of Public Information)
Administrative Secretary, A-15 (B&PA)
Administrative Secretary, A-15 (Coll of Arch/Art/Plann)
Multilith Operator II, A-15 (Graphic Arts Services)
Department Secretary, A-13 (Africana Studies & Research Center)
Department Secretary, A-13 (Computer Science)
Administrative Secretary, NP-8 (Coop. Exten. Admin. (Personnel & Staff Dev.))
Administrative Secretary, NP-8 (Coop. Extension (NYC Programs))
Clerk III, NP-7 (Clinics Administration)
Steno II, NP-6 (Vegetable Crops)
Steno I, NP-5 (Vet. Pathology)
Keypunch Operator, A-13 (Computer Services)
Searcher I, A-13 (Univ. Libraries (Acquisitions/Olin))
Searcher I, A-13 (Univ. Libraries (Serials/Olin))
Library Assistant II, A-12 (Univ. Libraries (Catalog/Olin))

ADMINISTRATIVE POSITIONS

Director of Lab Operations I, CPO8 (Drug Testing & Toxicology (Diagnostic Lab))
Assistant Univ. Counsel (University Counsel)
Budget Administrator, CPO8 (Budget Office)
Budget Analyst III, CPO5 (Budget Office)
Director of Employee Relations, CPO6 (Personnel Services)
Professional Chef, CPO5 (Dining Services)
Graphic Designer-Visual Spec. III, CPO5 (University Publications)
Personnel Associate II, CPO4 (N.Y.S. Agri. Experiment Station (Geneva))
Business Manager, CPO5 (Dining Services)
Catering Manager, CPO4 (Dining Services)
Dining Manager, CPO5 (Dining Services)
Dining Supervisor, CPO2 (Dining Services)
Business Manager, CPO5 (Department of Utilities)
Development Officer-Staff Writer, CPO4 (Univ. Development)
Development Officer I, CPO4 (Univ. Development (N.Y.C. Regional Office))
Design Engineer II, CPO4 (Buildings & Properties (Geneva))
Administrative Manager II, CPO5 (Biochem. Molecular & Cell Biology)
Systems Programmer III, CPO5 (Office of Computer Services)
Assistant Director, CPO4 (Academic Funding)
Executive Staff Assist. IV, CPO8 (Financial & Planning Services)
Executive Staff Assistant-III, CPO6 Institutional Research (Financial & Planning Services)
Administrative Supervisor II, CPO3 (Lab. of Nuclear Studies)
Student Dev. Specialist, CPO3 (Office of Financial Aid)
Residential Area Director/Assist. Dean of Students, CPO6 (Department of Residence Life)
Housing Assignment Coordinator/Off Campus Housing Advisor, CPO4 (Department of Residence Life)
Coordinator of Small Residences, CPO4 (Department of Residence Life)
Residence Coordinator/Risley, CPO3 (Department of Residence Life)
Residence Coordinator (Balch/Comstock) CPO3 (Department of Residence Life)
Residence Coordinator/Clara Dickson, CPO3 (Department of Residence Life)
Resident Director of International Living Center, CPO2 (Residence Life-Dean of Students Office)
Residence Coordinator/Graduate Units CPO3 (Residence Life-Dean of Students Office)
Resident Director of Ujamaa, CPO2 (Residence Life-Dean of Students Office)
Resident Director of Sperry, CPO2 (Residence Life-Dean of Students Office)
Personnel Associate I, CPO2 (Personnel Services-Staffing)
Staff Physician (Health Services)
Conference Coordinator I, CPO2 (NYSSILR)

TECHNICAL POSITIONS

Sr. Electronic Tech. A-21 (Chemistry)

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'Students Should Partake, Not Just Behold'

The University is not a museum of knowledge, it is a living entity in which a student should partake not just behold, according to Bruce Piasecki, '76. A graduate student in English and intellectual history, Piasecki expands on this view in the current article of the Chronicle's series on higher education. His first book of poems "Stray Prayers," was published last year by Ithaca House and a second book, "Turbulence Today," is being considered for publication next year.

Anyone trying to think clearly and comprehensively about the problems of the modern university is faced with two recurrent temptations. The first would use this space to

Higher Education Is Innovation

publicize personal grievances and ideals as if such an utterance could serve as a model for better higher education; and the second would provide an analysis of irremediable things as if some office or administrator or law of economics were to blame.

This first urge would make one man's preferences the pattern for identifying what's respectable, knowledgeable, or miserable for all degrees of college-bound existence; and the second would achieve such a distance from the process and problems at hand that it might calmly compare catastrophe theories with other leading universities. I resist both these temptations, after four years at Cornell, because they lead more to a dissatisfaction than understanding. I will use this space, instead, as a reminder — from a student's perspective — of those factors commonly called "the tone" of our times. For it is here, in the evolution of daily moods and future possibilities, that the general involvements and problems of Cornell are combined with feelings of impatience and occasional but genuine anger.

First, when thinking of the university, it's easy to forget the tone of the times by feeling that it is people elsewhere who produce the determining debates on the ideas that preoccupy us. Money, power, sex, the job market, health, salvation — these seem so far from questions about teaching and research, so removed from the gentle amusements of a lecture or a seminar. Of course, this is false as a good deal of Cornell's concerns are the world's worries. But why do most of us feel this distance? What is it about Cornell that can make a person's basic interests seem untimely? Can we assume our relation to the university still a human one?

The students of today feel they inherit a period of ultimate risk. From the harsh realities of Kennedy's or King's fate, to the protests on our own campus — the sense of the sixties was blatantly turbulent, a mixture of thoughts and events not divorced from the university. But now a more



Bruce Piasecki

silent and hidden set of problems disturbs us. Questions of the job market, options limited by shortages, and a more distant and indifferent bureaucracy that might, for instance, make a tenure decision on an unsigned CIA letter — these are the types of considerations that face the people of higher education not yet represented in this series. And only by keeping remindful of the times, will we see the natural difference in perspective of the student who lives on loans, who will still be in his twenties in 1984, and whose first children might be born at the turn of the century — from most of the contributors to this series so far. We are not talking about a sentiment or a philosophy but a situation. And in such a situation, it might not be enough to go home informed. In such a situation, it might not be enough to work incessantly, to cultivate discrimination, and to accept tradition's lessons with calmness.

Recalling these horizons, the problem of higher education cannot be addressed by revealing the ambivalence of the educator's values, nor by justifying research as a form of teaching — for in this world of scarcity, the university has become one of those few privileged communities designed to produce innovation. Today the core concern should be the students and their capacity to prefigure and to express a potentially new formulation of things. From this perspective, the key questions of the future of education involve curriculum, the continuance and expansion of agencies for

student-motivated projects, and faculty participation in such innovation. How else can we have an institution evolve with the tone of the times? For if Cornell ceases to encourage some merit in such innovation and participation — then it has become like a large shipment without merchandise.

There is such a wealth of available information at Cornell that could be honored by timely use. Students might be actively solicited, as we actively solicit athletes, for paid or accredited jobs in all the editorial work on campus, for the stocking of labs and libraries, or even for fund raising. Why study the layout of a magazine or the principles of production without application? As it stands now, most of these functions are terribly departmental — implying that students from the start have only professional needs. Recalling today's firm interest in means as well as ends, we will come to think of students as not only beholders but also partakers. This faith in participation was expressed in this series last month: "General education at the college level cannot be a report of results, hiding the methods that lead to those results." This working attitude that would share methods and expose techniques is crucial in inculcating the patience and calm necessary in any thoughtful innovation.

Lastly, it's so easy, when contemplating the problems of higher education, to neglect the fact that students are (unavoidably) human, that we share the same scars, fatigue, hazards with most of the staff. This frightening forgetfulness is evidenced by a statement in this series that "generations are being brought up unexposed to the finer things in life" (2/24). What I'm suggesting by reminding us of the tone of the times is that — even if students are culturally deprived or significantly altered in their sensitivities — it might be because we are "over-exposed" and somewhat unable to catch up with the quantity of experiences this age has brought upon us.

This retrospective identification of student limits is also evidenced by the March 10th statement: "Tendencies toward moral relativism and value nihilism are pervasive in the modern university, leaving the students troubled and anxious about the self-centered Playboy philosophy that dominates much of student culture." This is not exactly accusing the students of Cornell of craving immediate fulfillment much like the madman or criminal; but this writer is, on the other hand, assuming a fundamental lack. One might admit that this generation has an early, painful and commanding sense of limit; but haven't all generations contained those, usually the young, who ask if it is possible to be civic-minded, well-educated and enjoy life at once? All I'm saying is that the problem of higher education can't be even realized until a collective and future-looking respectability between students and staff — is maintained.

Now there will always be some honest bickering between faculty and students, always the people who find their happiness in reading the oddest books in the universe, and others especially dedicated to the education of select young girls. But the advantage of keeping remindful of these human dimensions and moods when meditating the problems of education is that, in this war there will also be instances of care that are so simple and persuasive as to be jarring.

Speakers' Meaning on Violence

A report on a symposium commemorating the Willard Straight Hall takeover in 1969, as carried in

the Chronicle of April 21, has been challenged.

The report, in paraphrasing Delridge Hunter, former COSEP director, indicated he said violence is the only means to effect change.

In a tape-recording of the event, Hunter's exact words were: "It is a myth that change comes about in this country without violence," in discussing historical conditions in the United States.

In the next paragraph of the article, after the statement about violence being the "only means" to effect change, it said:

"Touching on the same theme, Student Trustee Neil Getnick said the Carpenter Hall takeover in 1972 resulted in the University Board of Trustees taking a more 'enlightened'

stand in its voting on stockholder resolutions on other social issues. Continued pressure, including dialogue, he said, must be put on the trustees in reference to its votes on stockholder resolutions concerning South Africa and racism coming up in the next two weeks."

On the same tape, which was provided by Getnick, he states, in calling for support in the next two weeks, "I would suggest that it is only with effective protest, in the case of Carpenter Hall, and only in the case of effective negotiations, as in the case of Rukudzo Murapa, that we will win this issue."

He then went on to call specifically for individuals to express their protest by writing letters to the Cornell Sun and attending a rally,

cleared through University channels and held Tuesday noon (without incident). Getnick told the Chronicle this week that these two activities, plus a meeting of the Investment Advisory Committee this Friday, constituted what he referred to as

"an effective combination of protest and negotiation... needed to change the University's voting policy" in regard to shareholder resolutions, and that he was not advocating violence.

The Chronicle is convinced that this is Trustee Getnick's position and wishes the record set straight on this point, for any readers who might have inferred otherwise from the Chronicle report.

'Have You Found Yourself?'

A satisfying sense of identity comes with a clearer understanding of man's relationship to God, says William Henry Alton, a Christian Scientist who will give a free lecture at 7:30 p.m. Tuesday, May 3 in the International Lounge, in the Straight.

The talk, "Have You Found Yourself?" is being sponsored by the Cornell Christian Science Organization and is open to the campus community.

CORNELL CHRONICLE

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Chronicle Comment

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

Course Crediting Questioned

Editor:

I would like to raise the issue of the number of credit hours offered for courses, both in the context of a general discussion and in a particular instance that has been brought to my attention by a student. While I believe the principle of academic freedom guarantees the right of an instructor (or a department) to assign work to students without outside interference, there is also an obligation to see to it that the number of credit hours matches fairly the amount of work. In particular, if a course is offered with 4 credit hours, meaning one fourth of a standard semester load, it cannot demand substantially more than one fourth of a student's time without inevitably detracting from the value of the other courses the student is taking.

The problem is complicated because there are really two measures of the amount of work assigned in a course, namely the minimum amount required to pass the course, and the larger amount needed to really "learn" the material. Since we are in the business of education, and we hope our students will want to do justice to the ideas we expose them to, we should be interested in the larger amount of time. Unfortunately the student is forced to do the minimum amount of work in all courses before finding time for the additional reflection, study, reading and discussion that are necessary for true learning of any course. Therefore any course with a large amount of minimum work will have an adverse impact on other courses taken during the same semester. Therefore any course with a large amount of minimum work will have an adverse impact on other courses taken during the same semester. Therefore I think it would be reasonable to have some rough guidelines for the amount of work that may be assigned in a course with a given number of credit hours. The effect of such guidelines hopefully would not be a watering down of existing courses, but rather an upgrading of credit hours.

The specific course which

provoked my outburst is Geology 356. It came to my attention accidentally, so I have no idea if it is an isolated example or part of a general syndrome. The particular student I spoke to was doing poorly in a course I am teaching, and I suspected she was not devoting enough time to it. The explanation was that Geology 356 required 25 hours of laboratory work per week for most weeks of the semester, in addition to lectures and problem sets. In view of what I said above, I think this is excessive for a 4 credit course.

I would appreciate it if someone from the Geology department could answer two questions. First, is it indeed true that Geology 356 requires 25 hours per week of laboratory work (or is the student exaggerating, or perhaps just a very slow worker)? Second, if it is true, how do you justify giving 4 credit hours for the course (how many hours per week do you think a student should be required to work in all courses combined)?

Robert S. Strichartz
Associate Professor
of Mathematics

Laboratory Hours Requirement 'Wrong'

Editor:

I agree with most of the general points raised by Professor Strichartz. These issues are a major concern of various curriculum committees at Cornell and elsewhere. I am sure that these committees would view a 25-hour-a-week laboratory requirement very unsympathetically. So we come to the specific question asked by Professor Strichartz. Does Geological Sciences 356 require 25 hours a week of laboratory work? The answer is no. In addition, and perhaps more to the point, does the

average student in the class actually spend 25 hours a week? The answer is again no. I must say that I am astonished to see such a figure in print. Geological Sciences 356 is a core course for majors in the geology program. A substantial laboratory effort is expected from students; I estimate the average time spent is 10 to 12 hours per week.

Robert W. Kay
Assistant Professor
Geology

Victim Would Like Written Work Back

Editor:

A little more than a week ago my brown portfolio containing some written work and a pair of sun glasses disappeared from my carrel in Olin library. Following a fruitless search, I can surmise only that some kind soul took a fancy to my merchandise and kept it.

I harbor absolutely no animosity for this anonymous consumer, to whom I even hereby make a gift of the folio and glasses. But to this

person I also make the following plea:

If you would be so kind as to return my written work — the only copy I possessed — I would be unspeakably grateful. You can protect your identity by sending it, for example, via campus mail to me at the physics department, Clark Hall. Please do this and then enjoy my portfolio and glasses in good health. Peace and thank you.

Michael Guillen, Grad
Department of Physics

Senior Class Raising Gift Money

The Class of 1977 is raffling off a \$660 stereo, a two-man tent and a dinner for two as part of its continuing fund-raising efforts on behalf of the Senior Class Gift.

The gift will be devoted to campus beautification. Already, the class has paid for a ginkgo tree planted in front of Willard Straight Hall to replace the painted stump

that was destroyed by vandals a year ago.

Other tree plantings at various campus locations are also planned.

The raffle drawing will be held May 7, and the prizes include a stereo from Tech Hifi, a Nu-Lite tent from the Big Wheel and dinner for two at Utage Restaurant. Raffle tickets are \$1 and are now on sale in front of the Straight, and at Tech

Hifi. Tickets are also available from members of the class. Ticket-holders need not be present at the drawing to win.

On Feb. 28, the Senior Class Gift Committee held a fund-raising phone-a-thon, during which the 30 classmates telephoned fellow seniors and raised over \$1,600 in pledges.

Reading Retention, Recall Analyzed

Everyone who has sat in a classroom has been through it. Suddenly, the teacher looks at you, asks a question about a passage you were assigned, and your mind is blank.

Stage fright? The difficulty is often more involved and may be quite impersonal, say two Cornell researchers who have won national recognition for dissertations seeking to get at the roots of the problem of reading retention and comprehension.

Together, Nancy Marshall and Paul Clements, recent recipients of doctoral degrees from the Department of Education at the State College of Agriculture and Life Sciences, will be presented with the Outstanding Doctoral Dissertation Award of the International Reading Association this May.

To learn how and why certain facts are remembered and others are forgotten, Marshall and Clements, working with educational psychology professors Marvin D. Glock and George W. McConkie, each tested large numbers of people on their ability to recall information from selected passages.

They found that changes in the structural characteristics of paragraphs markedly affect what a reader is able to retain, even when the content remains the same. In the tests, the order of sentences within paragraphs was shifted, statements were "cut and spliced" to make their relationships to one another more or less explicit, and the relative prominence, or "staging" of elements within sentences was shuffled.

Within the context of a longer passage, even a relatively simple shift in stress or staging alters the impact of individual sentence elements and the overall meaning. Marshall and Clements said the reasons are as much cognitive or psychological as semantic.

In their studies, the first sentences of paragraphs or first ideas introduced were most successfully comprehended and retained. This suggests that the structural arrangement of passages works as an unconscious signal for the reader and that no amount of trailing information stays alive without breaks or fresh cues.

Marshall and Clements feel their findings have practical applications in education. The traditional test of reading comprehension, for example, is for students to answer questions at the end of a passage. But data from the Marshall study indicates that students remember information better when asked to summarize what they have read.

Much of the award winners' work proceeds from an area of study known as psycholinguistics which examines the relationships of thinking or cognitive patterns to verbal patterns, and the question of whether we think in language or whether our language models our thinking. Cornell linguist, Joseph E. Grimes, worked closely with Clements' study. Psycholinguist Carl H. Frederiksen of the National Institute of Education was a consultant in Marshall's work.

Club Holds Reception To Honor Mrs. Corson

An informal reception honoring Nellie Corson, wife of President Dale Corson, was held Thursday night at the Andrew Dickson White House. The gathering, which attracted some 200 people, was sponsored by the

Campus Club and was organized by member Bess Farnham, wife of William Farnham, professor emeritus of law.

Mrs. Corson and Jean Gortzig, president of Campus Club, received guests in the living room and refreshments were served in the garden room and dining room. Piano music was provided by Nan Hanslowe.

Mrs. Corson has been very active in the Campus Club, an organization that is open to all women graduate students and employees, as well as the wives of employees and faculty. The club organizes special groups for members, such as antiques, play reading, music and bird studies, and sponsors special series open to the public. Two series, one on art and one on money and taxation, were held this year.

5,400 Offered Admission

Cornell has offered admissions in its Class of 1981 to 5,400 students throughout the country. The last admissions offer was mailed April 16.

According to Dean of Admissions and Financial Aid, Donald Dickason, "The students who have been waiting on pins and needles from six to nine months now have the opportunity to make the University wait." May 2 is the deadline for notifying the University that a student will attend.

He said the University needs 2,628 acceptances in order to fill its Class of '81 quotas.

Offers of admissions were made from a total of 14,540 freshman applicants to the University.



Stern, Sills, Rostropovich...

Series Tickets Now on Sale

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

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

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

Lili Kraus, declared by the Washington Post to be "one of the supreme masters of the piano" also will appear in Bailey Hall next year with the Pittsburgh Symphony

Chamber Orchestra, conducted by Donald Johanos.

Subscription tickets are also available now for the 1977-78 Statler chamber music concert series, which will open with a performance by the Guarneri String Quartet. Also featured on this series are the Boston Symphony Chamber Players, cellist Lynn Harrell, and "Tashi," an ensemble composed of Peter Serkin, piano, Fred Sherry, cello, Richard Stolzman, clarinet, and Ida Kavafian, violin.

Present subscribers to the Bailey Hall or Statler series will be given priority over nonsubscribers in reserving season tickets. This priority expires on May 6. Applications and requests for specific seats will be filled in the order they are received. Area students are eligible for discount prices. Further information on the 1977-78 Bailey Hall and Statler Concert Series may be obtained at the Lincoln Hall ticket office, open from 9 a.m. to 1 p.m. Monday through Friday (256-5144).

Recital Will Feature Music for Lute, Guitar

Music for lutes and Baroque guitar will be presented by guest artists Catherine Liddell Strizich and Robert Strizich in a free, public recital at 8:15 p.m. Saturday, April 30, at Barnes Hall Auditorium.

Among the selections on the program will be Elizabethan lute duets by John Daniel, John Dowland and John Jones, Italian

dances of the early 16th century for two lutes, a late German Baroque suite for solo lute by Silvius Weiss, and Italian Baroque music for guitar by Ludovico Roncalli.

Catherine Strizich, a graduate of Sarah Lawrence College, holds a soloist diploma from the Schola Cantorum Basiliensis in Switzerland, where she studied the Baroque and Renaissance lute. She has performed in many ensembles both in Europe and America, including the New York Pro Musica. She has made recordings for the Lyricord and Nonesuch labels.

Robert Strizich attended the University of California at Berkeley, as well as the Schola Cantorum Basiliensis, where he studied lute and Baroque guitar. He has published many articles about the Baroque guitar and its literature, and has published the first complete modern edition of the works of the 17th century French guitarist Robert de Visee. He has made recordings for EMI's "Reflexe" series.

The Striziches base their interpretations of the lute and Baroque guitar literature on extensive study of the original sources and of the performance practice of the era. Their aim, they say, is to make available to the concert-going public some of the beautiful but little-heard music for lute and early guitar, and to recreate the delicate sound of these plucked instruments in performances which are "both historically accurate and living."

Novelist To Lecture At Chekhov Festival

Eudora Welty, novelist and short story writer, will visit Cornell May 5 and 6 to lecture on the work of Anton Chekhov and read from her own work as part of Cornell's continuing Chekhov Festival.

Welty will lecture on "Reality in Chekhov's Stories" at 8:15 p.m. Thursday, May 5, in Ives 110, and will read selections of her own work at 4:15 p.m. Friday, May 6, in the Uris Hall Auditorium.

The author of five novels and numerous collections of short stories, Welty received the 1973 Pulitzer Prize in fiction for her novel



Doug Cohn '79, Joy Merzer '77 and Naomi Leiseroff '80 of the Wood, Wind and Strings Marionettes rehearse "Jeglenda and the Dreaming of the Days" to be performed during the Risley Renaissance Fair May 7.

Antique Marionettes Worked by CU Troupe

The Wood, Wind, and Strings Marionettes, a troupe of Cornell students, will give several performances of "Jeglenda and the Dreaming of the Days," an original story and music written by Michael Wisniewski, Architecture '77 and sponsored by the Center for the Expressive Arts.

Performances will be at 8:30 and 10:30 p.m. Friday, April 29, in the Commons Coffee House of Anabel Taylor Hall; at 2 p.m. Saturday, April 30, at the Women's Community Building, 100 W. Seneca St., and at

3 p.m. Saturday, May 7, in Risley Hall.

The story is based upon Norse mythology and the musical score complements the imagery and fantasy of Wisniewski's theme: the gift of time to the villagers of Tamarind by the mythical gods.

The Cornell marionette troupe, under the guidance of Ruth Davis of the Ithaca Youth Bureau, has developed a unique approach in working with a set of antique marionettes.

Repair, carving and costume design responsibilities, as well as stage construction was shared by the entire company. The performance serves as a teaching vehicle for other interested puppeteers who would like to learn how to manipulate a marionette, stage a production, and develop a script.

Donations will be accepted to help defray expenses at all performances except at the Women's Community Building where the cost will be \$1 for adults and 50 cents for children.



Theater Season Ends With 'The Bewitched'

The American premiere of a new play, "The Bewitched," by British playwright Peter Barnes will bring the Cornell theatre season to a close. The performances will be at 8:15 p.m. April 28-May 1 and May 6-7 in the Willard Straight Theatre. Tickets are available at the Straight Theatre box office from 3 to 6 p.m., Monday through Friday.

The play, which revolves around the life of Carlos II, last of the Spanish Hapsburgs kings, is not just about monarchy, but deals with subjects of particular relevance to today's society, according to director James Clancy.

"The play shows that the world is governed by authoritarianism and that as long as one class of people is considered better and fit to rule another class, society will only get worse," he said.

The play is filled with comic satire, Aristophonic gusto and Jacobean morbidity, according to Clancy, and is intended to "shake the audience up."

Barnes, who is known primarily to American audiences for the film of his play "The Ruling Class," is the author of six stage plays and many television and film plays. The Royal Shakespeare Company presented "The Bewitched" in London's Aldwych Theatre in 1974 and it took Clancy two years to obtain the rights for the Cornell production.

The play will be the last for Clancy, professor of theatre arts at Cornell, who plans to retire in June. Clancy has directed 28 plays at Cornell and over a dozen productions for the summer Ithaca Repertory Theatre, which he co-founded and co-directed for seven years.

Clancy got his start in theatre at the age of 16, when he acted in weekly performances put on by small stock companies. "I would act in performances such as 'Dracula' and other mystery plays. I guess you could call it a form of middle-brow entertainment that has since been replaced by the moviehouses and television," he said.

When most of the companies folded due to the depression in the '30s, Clancy made the final push to continue his education. He received his undergraduate degree at Santa Fe State College in California and then taught there for three years while studying at Stanford University for a masters in education, which he received in 1938.

In 1947, he received the first Ph.D. to be awarded in the field of dramatic literature from the newly organized theatre department at Stanford.

Clancy's theatrical career has been a mixed bag of activities including stage direction, acting and teaching. After Stanford, he taught at the University of Iowa for two years and then received a grant from the Ford Foundation to study theatre in Europe for a year.

Before coming to Cornell in 1967, he was at Dartmouth College when the Hopkins Theatre Arts Center opened there.

Clancy and his wife, Stella, who teaches acting at Cornell, plan to move out of Ithaca and travel in England for the summer.

Women's Career Forum

'Industries Are Selective'

The prospects for women finding interesting careers are better today than they were 20 years ago, but promotions won't come as quickly as they did then because the pipelines are full and industries can be more selective about the women they hire and promote, according to Madeline H. McWhinney, president of Dale, Elliot & Co., Inc.

McWhinney was the keynote

Alumni To Help Admissions

The Cornell Alumni Admissions Advisory Board (CAAAB), a 26-member body composed of alumni organization representatives and University officials, has been established to help give alumni a more direct role in the recruiting of candidates for admission to Cornell, according to Donald G. Dickason, dean of admissions and financial aid.

The main function of the new board will be to devise ways in which alumni groups such as the Alumni Secondary School Committees, the Cornell Clubs and the Cornell University Council, and University groups such as the admissions office, the Committee on Special Educational Projects (COSEP), and the Cornell University Athletics Association can cooperate to ensure that Cornell continues to attract large numbers of highly qualified applicants.

Dickason said the CAAAB will "for the first time bring together all the people who have legitimate interests in and contact with the admissions process, whether they be in University offices or among the various alumni groups."

For more than 40 years, alumni have been involved in the admissions process through the Alumni Secondary School Committees, whose members interview applicants in their hometowns and perform other services for the admissions office.

Dickason noted that in the last 10 years, the number of secondary school committees has grown from about 90 to more than 225 committees involving more than 2,700 alumni nationally. The many Cornell clubs located around the country have helped the University recruiting efforts by sponsoring secondary school committees, holding banquets for applicants and sponsoring scholarships.

Dickason said there is a need to coordinate the increasingly diverse efforts of these and other appropriately involved groups. "There is only one entity that can provide the day-by-day direction needed for this coordinated effort, and that is the University's Office of Admissions and Financial Aid," Dickason said. "But an effective coordinating council must exist that can draw upon the resources of these constituent groups and provide direction for them." He said the CAAAB would provide such direction.

speaker at the second annual Women's Forum sponsored by the Cornell University Graduate School of Business and Public Administration. The forum also featured discussions by women executives on women in private enterprise, women as entrepreneurs, women as public policy makers and the societal impact of American working women.

"The opportunities for the trained young woman are tremendous," McWhinney said, but the woman who gets the promotion or the business loan may have to be significantly better than the males in the same situation, she added. Discrimination, often the subtle kind that is most difficult to eliminate, is still a fact of life in the business world, she said, and likely will be for at least another generation.

Most professional young women will marry and have two children (after their careers are fairly well-established) and carry out more than 50 per cent of the household chores — as well as working at their full-time jobs, she predicted. Even those women who elect to leave the labor force while their children are small should use the time to plan for what they will do when they return, she stressed.

She pointed to demographic trends showing that the family size is decreasing and that women are

spending more and more of their lives in paid employment — up from six years out of a 50-year lifespan in 1900 to 25 years out of a 75-year lifespan today.

"You need to be trained, you need to plan, you need to know where you want to go," she emphasized, adding that otherwise "you may wake up 25 years from now and wonder where your life has gone."

S.E. Asia Program Receives Endowment

Cornell's Southeast Asia Program has received a \$500,000 endowment grant from the Andrew W. Mellon Foundation. Income from the endowment will be used to support training and advanced research in the humanities and social sciences in this field.

The grant will be matched with \$250,000 in endowment from the Ford Foundation. These funds represent one-half of a \$500,000 challenge grant to Cornell, with a two-to-one matching requirement, approved by Ford in 1975 to establish an endowment fund for Southeast Asian Studies.

The Mellon grant is one of a series the foundation is making to

History Should Focus On Role of Women

A series of five panels focusing on the role of women in history were among the most well-attended and appreciated sessions at the recent 70th annual meeting of the Organization of American Historians (OAH), according to Mary Beth Norton, associate professor of American history.

Norton was chairwoman of the OAH Committee on the Status of Women for the past two years and

one of 2,500 historians attending the Atlanta meeting.

A call for a massive shift of emphasis in historical research to place women at the center of history, a topic discussed at one of the panels, is an approach with which Norton strongly agrees.

"In order to be female-centered history has to be recast. Traditionally the important topics in history have been defined by men; thus, the only women who receive recognition are those who succeed in a man's world — in fields considered important by men such as business and politics," she said.

"What's important in history has to be redefined," she continued. "For instance, the role of the family in history has always been significant regardless of what government is in control. And the important person in the family is usually the woman who holds it together."

While the ultimate goal is to present a perspective that encompasses the activities of men and women, this perspective must be viewed within a new context, Norton said.



Job Opportunities

Continued from Page 2

Electronic Tech. Supervisor, A-21 (Material Science Center)
Control Mechanic (Physical Plant Operations (Union job))
Experimental Machinist, A-19 (Lab. of Nuclear Studies)
Synch. Operating Tech. A-19 (Lab. of Nuclear Studies)
Sr. Lab. Tech. A-18 (Biochem. Molecular & Cell Biology)
Synch. Tech. A-17 (Lab. of Nuclear Studies)
Univ. Service Officer, A-17 (Public Safety)
Traffic Controller, A-15 (Traffic Bureau)
Jr. Synch. Tech. I, A-15 (Lab. of Nuclear Studies)
Cook I, A-15 (Dining Services (9 month app't))
Custodian, A-13 (Univ. Unions-WSH)

Experimentalist I, NP-11 (Pomology & Viticulture (Geneva))
Lab. Tech. II, NP-11 (James A. Baker Institute for Animal Health)
Lab. Tech. II, NP-11 (Food Science)
Lab. Tech. II, NP-11 (Diagnostic Lab.)
Research Tech. II, NP-10 (Plant Pathology)
Tech Aide I, NP-9 (2) (Diagnostic Lab.)
Greenhouseman, NP-8 (Floriculture & Ornamental Horticulture)
Lab. Tech. I, NP-8 (LAMOS-Mastitis Control (Springville, N.Y.))
Research Tech. II, NP-10 (Physical Biology)
Research Tech. II, NP-10 (Plant Pathology)
Research Tech. I, NP-8 (Div. of Nutritional Sciences)
Program Aide I, NP-5 (Coop. Extension (NYC Program))
Program Aide I, NP-5 (2) (Coop. Extension (NYC Programs))
Research Support Spec. II, CPO4 (Vet. Pathology)
Research Support Spec. II, CPO4 (Food Science)
Research Support Spec. I, CPO3 (Agri. Engineering)
Extension Support Aides, CPO2 (6) (Coop. Exten. Admin. (NYC Urban Gardening Programs) (1 yr. possible renewal))

ACADEMIC AND FACULTY POSITIONS (Contact Department Chairperson)
Research Associate III, CPO5 (Human Dev. & Family Studies (Syracuse))
Extension Associate II, CPO4 (LAMOS-Mastitis Control)
Research Associate I, CPO3 (Lab. of Nuclear Studies (3 yr. app't))
Assist. or Assoc. Professor (Plant Breeding & Biometry)
Assist. Professor of Agri. Engr. (Department of Agricultural Engineering)
Assistant Professor (Department of Plant Pathology (Geneva))
English Lecturer (COSEP (6 week Summer Program))
Biology Lecturer (COSEP (6 week Summer Program))
Chemistry Lecturer (COSEP (6 week Summer Program))
Mathematics Lecturer (COSEP (6 week Summer Program))
College Study Skills Lecturer (COSEP (6 week Summer Program))

Educational Research & Evaluation Assistant (COSEP (6 week Summer Program))

Instructors (2) (Theatre Arts)
Spanish Lecturer (Department of Modern Languages & Linguistics)
Assistant Librarian (Univ. Libraries (Catalog/Olin))
Assistant Librarian (Univ. Libraries (Maps, Microtext & Newspapers))
Sr. Exten. Assoc. II, Extension Representative (2) (NYS Cooperative Extension)

Sr. Exten. Assoc. II, Agri. Program Coordinator (NYS Cooperative Extension)

Sr. Exten. Assoc. II, Home Economics Program Coordinator (NYS Cooperative Extension)

Extension Assoc. (Sea Grant-4H Youth Dev.) (NYS Cooperative Extension (NYC Sea Grant))

Extension Assoc. II, (2) (Dairy & Field Crops Team) (NYS Cooperative Extension (Erie & Wyoming Co.))

Extension III, (2) (Dairy & Field Crops Team) (NYS Cooperative Extension (Erie & Wyoming Co.))

Staff Attorney (Cornell Legal Aid Clinic)

PART-TIME AND TEMPORARY POSITIONS (All Temporary and Part-time positions are also listed with Student Employment)

Admin. Aide I, NP-11 (NYSSILR (N.Y.C.) (temp. f/t))

Admin. Aide I, NP-11 (NYSSILR (Albany) (temp. f/t))

Admin. Secretary, NP-8 (Coop. Exten. Admin. (Potsdam, N.Y.) (temp. p/t))

Steno II, NP-6 (NYSSILR (temp. p/t))

Steno I, NP-5 (Agronomy (perm. p/t))

Program Aide I, NP-5 (Caregiver) (Human Dev. & Fam. Studies (perm. p/t))

Head Account Clerk, A-15 (Biochem. Molecular & Cell Biology (perm. p/t))

Department Secretary, A-13 (Neurobiology & Behavior (perm. p/t))

Searcher I, A-13 (Univ. Libraries (Acquisitions/Olin) (perm. p/t))

Temp. Serv. Clerical (NYSSILR (temp. p/t))

Lab. Tech. I, NP-8 (Equine Drug Testing-Monticello Rcwy (temp. f/t))

Temp. Service Tech. (Natural Resources (temp. f/t))

Lab. Tech. I, NP-8 (Equine Drug Testing (temp. f/t) (Saratoga))

Lab. Tech. I, NP-8 (LAMOS-Mastitis Control (temp. f/t) (Springville, N.Y.))

Dairy Worker I, NP-8 (Animal Science (temp. f/t))

Program Aide I, NP-5 (Coop. Ext. (NYC Programs) (temp. f/t))

Program Aide I, NP-5 (Coop. Ext. (NYC Programs) (temp. f/t))

Stockkeeper I, NP-5 (Pharmacy (perm. p/t))

Technical Aide I, A-15 (College of Arch/Art/Plann) (perm. p/t) (will become full-time in July))

Research Support Spec. I, CPO3 (Natural Resources (Albany) (temp. f/t))

Research Support Spec. I, CPO3 (Neurobiology & Behavior (temp. f/t))

Extension Support Aide, CPO2 (Coop. Ext. Admin. (Sea Grant Adv. Serv.) (1 year position))

Kip Thorne To Talk On 'Way Out Things'

Attention Star Trek fans, amateur astronomers, theoretical physicists, everyone with a penchant for "way out" things. Kip Thorne, renowned astrophysicist and visiting professor at Cornell this semester, will talk about "Spacwarps, Black Holes and the Origin of the Universe" at 8:15 p.m. Monday, May 2, in Ives 120.

The lecture, sponsored by the University's Center for Radiophysics and Space Research, is free and open to the public. It will attempt to put some of the major concepts that intrigue astrophysicists and relativity theorists into terms that the lay audience can understand.

"I'm going to talk about some 'half-baked' ideas that sound like science fiction but for which we are beginning to develop mathematical insights," Thorne said.

For example, physicists generally agree that the universe started with a "big bang," but until recently they had no reliable idea of what caused the bang or why matter and energy are distributed as they are in the universe.

Physicists also knew that such

things as spacwarps leading into other universes, time tunnels and black holes in space could exist according to Einstein's theory of relativity, but they did not know how likely such things were.

"We now have some hints about these things, and we're on the verge of a new era in cosmology," Thorne said.

Thorne will also describe recent observational searches for black holes using X-ray telescopes aboard satellites in earth orbit.

Thorne, 36, is a professor of theoretical physics at the California Institute of Technology and a fellow of the prestigious National Academy of Sciences.

He has written a book on gravitational theory which is considered the definitive work on the subject to date and won the science-writing award of the American Institute of Physics-U.S. Steel in 1969.

He has held Woodrow Wilson, Danforth, National Science Foundation and Alfred P. Sloan Fellowships and received many other awards in recognition of his research.

'Faculty of the Future' Is Lecture Topic

The faculty of the future will be examined at 8 p.m., Wednesday, May 4, in Martha Van Rensselaer Hall Auditorium in the final talk in the Human Ecology Lecture Series.

Jacquelyn A. Mattfeld, president of Barnard College, New York City, will talk on "The Faculty of the Future" in a further examination of the role of higher education. The lecture is sponsored by the State College of Human Ecology and is

open to the public.

Mattfeld studied music at the Peabody Conservatory of Music and received her B.A. degree from Goucher College and her Ph.D. degree from Yale University. Before assuming the presidency of Barnard, she taught music and served in the administration of several colleges, including Harvard, Sarah Lawrence, Brown, Radcliffe, and the Massachusetts Institute of Technology.

Former HEW Head To Give Two Talks

Virginia Y. Trotter, undersecretary to the Department of Health, Education, and Welfare (HEW) during the Ford Administration, is scheduled to speak on May 1 and 2 as the fourth speaker in the Distinguished Lecturer Series sponsored by the Department of Communication Arts.

An informal discussion with Trotter on "Women in Government" will take place at 8 p.m. Sunday, May 1, in the Communication Arts Graduate Teaching and Research Center, 640 Stewart Ave. She will lecture on "Communication Within Government" at 8 p.m. Monday, May 2, in the Kaufmann Auditorium of Goldwin Smith Hall.

Trotter, who received her Ph.D. in

Family Economics and Higher Education from Ohio State University, has been active as a scholar, teacher, and administrator. She has held numerous teaching and administrative posts at the Universities of Vermont, Utah and Nebraska.

Quality of Work Life Is Behaviorist's Topic

Gordon Lippitt, founder of the Center for Behavioral Sciences at George Washington University, will lecture on the "Quality of Work Life: Organizational Renewal in Action," at 4:30 p.m. Thursday, May 5, in Bradfield Hall. He will be the final speaker in the Communication Arts Distinguished Lecturer Series sponsored by the Department of Communication Arts.

Lippitt, professor of behavioral science in the school of government and business administration at George Washington University, is the founder of "organizational renewal" movement which focuses on the improvement of intra- and inter-organizational systems. He has also taught at Cornell in the School of Industrial and Labor Relations.

Profile

He Dares To Be Different

When other top advisers to the U.S. space program were advocating manned missions to the moon and beyond, Thomas Gold, the John Wetherill Professor of Astronomy and director of the Center for Radiophysics and Space Research, lobbied hard for more remote-controlled devices.

When the "pulsars," which give out rapid, regularly-spaced bursts of radio energy, were first picked up in the sky, Gold proposed that they were rapidly rotating neutron stars—stars made of extremely dense matter but only a few kilometers in diameter.

As an explanation for the creation of the universe, Gold, together with British cosmologists Sir Fred Hoyle and Sir Hermann Bondi, put forward the "steady state" theory which says that the average appearance of the universe is constant despite the observed expansion.

A theoretical astronomer, Gold spends much of his time trying to understand the complicated processes which shaped the universe, and he is willing to stick to a good theory until he is convinced that there is a better explanation.

"I don't try to be contrary, but I don't allow myself to be swayed by the popular point of view," he said.

In the case of pulsars, perhaps his most resounding success of recent years, Gold's explanation was at first regarded as so "far out" that he was not allowed to present his hypothesis at the first national conference on pulsars. Three months later, his hypothesis was proved true.

"Things like that give me the perseverance to keep my point of view," he said.

Another successful prediction was that the lunar surface would be covered with a thick layer of dust—a notion that many lunar scientists pooh-poohed, but as Gold said, "You should have seen the Apollo astronauts when they came back."

As for the creation of the universe, Gold admits that "right now it looks like the big bang theory has the upper hand." He is quick to add that there is a major unexplained problem with the big bang theory—an asymmetry in the distribution of matter and anti-matter in space that the theory cannot explain.

"It is entirely premature to say that the big bang is the answer. Right now we don't have any completely acceptable explanation for the formation of the universe," he said.

Gold was one of the principal advisers to the National Aeronautics and Space Administration (NASA) during its formative years and was a member of NASA's Lunar and Planetary Missions Board, which put many of the successful unmanned missions, including Viking, on the books.

In the late 1960s and early '70s, Gold became the principal spokesman for unmanned space flight rather than manned expeditions. "I thought manned flights would be more costly. I thought they would hinder rather than help space science and that they would cut into the space budget tremendously. And I still think I'm right," he said.



Thomas Gold

NASA's future lies in demonstrating the utility of what they do, he maintained. The technology developed by NASA could be used to make television and telephone service available everywhere. It could be used to monitor climatic trends or to monitor air pollution in the lower and upper atmosphere. With some practical accomplishments to show for its budget, NASA could maintain an adequate program in more theoretical science, he added.

A member of the prestigious Royal Society of London and a fellow of the National Academy of Sciences, Gold will give a more complete sketch of the space program and where it should be heading following the annual Sigma Xi banquet on May 4. The talk, which is free and open to the public, will begin at 8:45 p.m. in Ives 120.

When not caught up in the science and politics of space, Gold keeps physically fit on the ski slopes and water skiing on Cayuga Lake (which he does in a wetsuit whenever the lake is ice-free). And he swears he can still walk a tight rope in his backyard.

—Connie Bart

Professors Named Guggenheim Fellows

Two Cornell professors have been awarded 1977 Guggenheim Fellowships by the John Simon Guggenheim Memorial Foundation.

They are Robert E. Kaske, the Avalon Foundation Professor in the Humanities in the College of Arts and Sciences, and Sol I. Rubinow, professor of biomathematics, Cornell University Medical School.

Kaske will conduct research on the sources and methodology for the interpretation of medieval imagery. Rubinow will do theoretical studies in mathematical biology.

Awards totaling \$4,602,000 were made to 313 scholars, scientists, and artists from among 3,050 applicants in the foundation's 53rd annual competition.



Spring Strews Beauty on the Earth



Energy, Nuclear Waste Are Research Topics

Two groups of Cornell students have been awarded research grants through the National Science Foundation's (NSF) Student Originated Studies (SOS) program.

Mark Loo, a senior electrical engineering major from Hong Kong, will direct a project on using bacteriorhodopsin (a pigment similar to that which converts light into electrical energy in the eye) as a basis for solar energy conversion.

David Olgaard, a junior geological sciences major from Rapid City, S.D., will direct a study of the feasibility of nuclear waste disposal in the salt deposits in and near the Seneca Army Depot, about 45 miles from Cornell.

The solar cell project will focus on the methodology necessary to construct a solar energy cell capable of generating a sufficient electrical potential to electrolyze water and produce hydrogen gas. Aaron Lewis, associate professor of applied and engineering physics, will serve as faculty adviser.

Other students participating in the project are Catherine P. Chia, a senior biochemistry major from Jericho, N.Y.; Donald P. Regula Jr., a senior electrical engineering major from Schenectady, N.Y.; Robert Cookingham of Ithaca, a graduate student in applied and engineering physics, and Mark Sulkes, a graduate student in physics from Southfield, Mich. Other juniors or seniors interested in participating in

the project should contact Loo at 256-6891 or Regula at 272-1183 by May 5.

The nuclear waste project will involve seven students majoring in geological sciences and materials science. The students will study the fractures and faults in the salt bed, the ground water hydrology, the strain and stress of the formation and also monitor possible microearthquakes. William Travers, assistant professor of geological sciences, and David Kohlstedt, assistant professor of materials science and engineering, will serve as faculty advisers.

Other students participating in the project are Catherine Povejsil, a senior geological sciences-civil engineering major from Pittsburgh, Pa.; Kim Knowlton, a senior geology major from Windsor, N.Y.; Katharine Kadinsky-Cade, a junior physics major from Columbus, Miss.; Steve Keyzer, a junior materials science major; Lori Brown a junior geology major from Klamath Falls, Ore., and Debbie DeSimone, a junior materials science major from Lodi, N.J.

The SOS program is open to juniors, seniors and graduate students interested in doing research on problems that have immediate relevance to society and require an interdisciplinary approach. This year NSF received 278 proposals and awarded 60 grants.

Creative and Performing Arts

Student Projects Supported

The Cornell Council of the Creative and Performing Arts has announced the awards of nine grants to Cornell students.

The purpose of the grants, which are awarded twice each year, is to encourage individual creative and performing artists to work on projects not primarily concerned with course work or scholarly research. Each person receiving a grant is required to complete the project within a 12-month period and then make the project available for public display or performance. The grants are awarded on the basis of artistic ability, potential to complete the project with distinction and the merits of the project itself. The stu-

dents who were awarded the grants and their projects are as follows:

Deseria Adams, a College of Arts and Sciences sophomore, was awarded \$150 to assist in the performance of 10 dances by a troupe of 15.

John Eidson, an anthropology graduate student, was awarded \$250 toward his work on an animated film which involves the single-frame manipulation of characters made from permanently malleable plasteline modelling clay. The film's narrative is to be based on Irish folklore.

Philip Greene, music graduate student, was granted \$200 for composing music for a modern dance

suite. The suite, entitled "Lament of Calamity Jane," is a fictionalized account of the life of a pioneer heroine. Greene's composition, without the dance, will be performed Monday, April 25, as part of the Cornell Composers' Concert. The dance suite is to be performed at Cornell in the fall in collaboration with Rebecca Kelly dancer and choreographer from New York City.

Donald Lewis, a fine arts department junior, was awarded \$100 for his proposal to do four murals on the downtown Seneca St. parking ramp.

Suellen Mayfield and three other Masters of Fine Arts candidates, Jennifer Reece, Susan Carlisle and Nancy Mrazek, were awarded \$100 toward the publication of a spring issue of Ithaca Women's Anthology, a collection of short stories, essays and graphic art by Cornell students and members of the Ithaca community.

Paul Rosenbloom, music graduate student, was awarded \$85 to copy music for a fall 1977 performance of "Sextet" for two violins, two violas, and two cellos.

Robin Schiff was granted \$387 for a weaving project. Schiff, a junior design major, plans a 10'x10' tapestry entitled "Sunrise" to be woven in raw silk, wool and linen. Much of the silk is to be woven in an unspun state; other silk she will spin herself. Most of the fibers will be woven in their natural colors, and Schiff will hand-dye others. She plans to exhibit the tapestry in Martha Van Rensselaer Hall in August.

John Tagiuri, a sculpture major, has been awarded \$215 to do beam sculptures for an exhibit on the Ithaca Commons. Tagiuri plans to assemble pine beams into moving sculpture 36 feet high.

Sandra L. Winters, who will graduate with a masters degree in fine arts in August, has been awarded \$282 to begin a series of paintings and lithographs of young people in local correctional facilities.

A Little Bit of Money Can Go a Long Way

It's normally the grants for tens of thousands of dollars that make news in the academic community, but when it comes to funding worthwhile graduate student research, a little bit of money in the right place at the right time can go a long way.

Working on that premise, the Cornell University chapter of Sigma Xi recently awarded grants of \$50 to \$400 to 17 graduate students studying problems ranging from communication and sexual selection in a Costa Rican cricket to the origin of iron occurrences on Disko Island, Greenland.

A panel of five faculty members representing a range of scientific disciplines judged the proposals on their scientific merit and their need for outside support. Funds for the grants were obtained entirely by the local chapter of the national scientific honorary society.

Many of the proposals were for a specific piece of equipment crucial to the student's research but for which no other source of funding was available, according to Wolfgang Sachse, associate professor of theoretical and applied mechanics at Cornell and recording secretary of Sigma Xi.

Receiving awards from the local chapter this year were:

Frederick M. Barken, College of Veterinary Medicine; Christine Boak, Section of Neurobiology and Behavior; Guido Dingerkuss, Section of Ecology and Systematics; Nancy G. Hague, Department of Geological Sciences; John H. Ladd, Department of Geological Sciences;

Bill Mautz, Section of Ecology and Systematics; Christine Nielsen, Section of Ecology and Systematics; Karen J. Sherman, Section of Neurobiology and Behavior; James Skaley, Department of Agronomy; Dennis J. Taylor, Section of Ecology and Systematics; Richard G. Thomas, Section of Ecology and Systematics; Frederick H. Trinker, Sibley School of Mechanical and Aerospace Engineering; Fredrica van Berkum, Section of Ecology and Systematics; Maura S. Weathers, Department of Geological Sciences; Helen Wekstein, Department of Geological Sciences; Edward B. Wetherill, Department of Geological Sciences and Gary P. Zientary, Department of Chemistry.

Cornellians receiving research grants from the national society of Sigma Xi this year were Richard L. Brown, Department of Entomology; Douglas S. Glazier, Section of Ecology and Systematics; Gene S. Helfman, Section of Ecology and Systematics; Zsuzsanna Wiesenfeld, Section of Neurobiology and Behavior.

Hotel Students' Do

Continued from Page 1

During the weekend of hospitality, education, and entertainment, the food and beverage staff will present a variety of imaginative and unique dining experiences relating to the cinema world, ranging from a Gatsbyesque picnic to a formal banquet inspired by the 1939 Academy Awards banquet.

Educational activities will include lecture presentations and "mini-seminars" on the application of computer systems in hospitality properties, and on entertainment in the hospitality industry.

Hotel Ezra Cornell is an extra-curricular student project, run by a student board of directors and staffed by volunteers. Each year, the students plan the events, construct the sets, and make all the arrangements necessary for the weekend.

The event gives industry executives a first-hand view of Cornell hotel students in action.

Pre-law and Pre-medicine Students Receive Awards

Barbara Spector, Agriculture '77, has been awarded a \$3,000 Fellowship for graduate study by the Honor Society of Phi Kappa Phi. Spector, who is majoring in biological sciences, was one of 26 selected for the honor from the nation's 1977 college graduates. She plans to study medicine.

Samuel Magdovitz, Arts and Sciences '77, was presented with a local Phi Kappa Phi award of \$500. He plans to attend law school.

Founded in 1897 to recognize academic excellence in all disciplines, Phi Kappa Phi is a national scholastic organization with headquarters in Ann Arbor, Mich.

Kite Flying, Concerts Planned for Springfest

There will be something for everyone at Springfest '77! Kite flying, belly dancing, free concerts and an ice cream spree are just a few of the activities which are being sponsored by the University Unions the weekend of May 6-8. The following is an agenda of activities planned for Friday, May 6:

11 a.m.-5 p.m. Junk Food, balloons, flowers for sale, outside the Straight if the weather is nice.

11 a.m.-5 p.m. Art Show in front of the Campus Store.

11 a.m.-1 p.m. Raccoon Alley will be playing in front of the Straight.

1-4:30 p.m. Cafe sponsored by Cornell Dining and University Unions, on the front lawn of the Straight.

1-2 p.m. Kite Flying on Libe Slope.

3-4 p.m. Karate Demonstration on top of the Campus Store.

1-2:30 p.m. Ice Cream Spree in the Straight TV Lounge.

2-3 p.m. Frisbee Demonstration on Libe Slope.

2-2:30 p.m. Mime performance on front steps of the Straight.

3-4 p.m. Dog Show on top of Campus Store. Folk Dancers at the South entrance of the Straight.

3-7 p.m. Cash Bar in the Straight Art Lounge.

4-5 p.m. Belly Dancing in the Straight International Lounge.

DARK. Movies in front of the Straight (in the Ivy Room and Browsing Library if rainy).

4:30 p.m. Free Concert on Libe Slope.

4:30 p.m. Chicken Barbecue on Libe Slope, sponsored by Dining.

CIVITAS Thanks Volunteer Workers

This is an appropriate week in which to say thank you to the many CIVITAS volunteers who have worked in the community's human service agencies and the Ithaca schools this semester. The time and energies so generously invested by students and other Cornellians in the life of Ithaca are literally irreplaceable. Many of the good things which happen are entirely the result of the effort and enthusiasm of the Cornell volunteers. We appreciate your help and hope you have found your volunteer work worthwhile and satisfying. Congratulations and good luck to those of you who are graduating. To those who are returning, have a good summer and come see us when you return in the fall - the CIVITAS office will be open when you get back in late August.

CURRENT VOLUNTEER NEEDS

PROJECT TO RENOVATE OLD STRAND THEATRE: Volunteers needed to get the theatre ready for stage productions this summer. Work includes inside clean-up and painting. Saturdays, 10:30 a.m. to 5 p.m., starting immediately; electrical work and curtain rigging, beginning in May, any weekday, 9 a.m. to 5 p.m.; later, in mid-July and August, help will be needed with stage crews, box office assistance, wardrobe, all areas of production work.

SMALL PRE-SCHOOL PROGRAM DOWNTOWN: Helpers needed to work with 2-5 year olds Tuesday through Friday between 10 a.m. and 2:30 p.m.; volunteers also sought to help cook, serve and handle cleanup of lunch, Monday, Wednesday and Thursday between 10:30 a.m. and 2 p.m.

WITHIN WALKING DISTANCE OF CORNELL: Residence for the elderly has sent us several urgent and interesting requests for assistance: a program development aide to work any weekday between 9 a.m. and 5 p.m.; a discussion leader for a current events group meeting lasting 40 mins. to one hour, preferably on Wednesday afternoons, though other afternoons could be arranged; a bingo caller, for two hours, on Monday at 2 p.m., Monday, Tuesday, Wednesday evenings, or on weekends; musicians and crafts-persons any day, any time.

TUTOR IN ARABIC: Ithaca High School student would like to learn Arabic with the help of a tutor. Times, days and place are flexible.

For more information, come to CIVITAS, 125 Anabel Taylor Hall, 256-7513, between 10 and 2, Monday through Friday. Or call the Voluntary Action Center, 272-9411, Monday through Saturday, 9 to 1.

Latin Leader To Give Two Religious Talks

Jose Miguez-Bonino, a leading Latin American theologian, will be the Dean Sage Speaker at the Sage Chapel Interreligious Convocation at 11 a.m. Sunday, May 1. Miguez-Bonino will also deliver a Thorp Lecture at 8:15 p.m. Sunday in the Anabel Taylor Hall Founders Room. Miguez-Bonino is director of the Institute of Advanced Theological

Studies at Union Theological Seminary in Buenos Aires. He is a former president of the seminary. An ordained Methodist minister, he is one of the presidents of the World Council of Churches, and he attended the Vatican II Council as the only protestant Latin American observer.



Dancer Urip Sri Maeny performs a traditional Javanese dance accompanied by musician Sumarsam. The two artists will join the Cornell Gamelan Ensemble, directed by Martin Hatch, for an evening highlighting Javanese culture.

Concert of Javanese Music Set

Javanese musician Sumarsam and dancer Urip Sri Maeny, artists-in-residence in the World Music Program at Wesleyan University, will join the 17-member Cornell Gamelan Ensemble for an evening of Javanese music and dance at 8:15 p.m. Sunday, May 1, in Barnes Hall. The free performance, sponsored by Cornell's Southeast Asia Program and the Department of

Music, is open to the public.

The Javanese gamelan is a musical ensemble composed primarily of hanging gongs and metallophones. Urip Sri Maeny, a native of Pekalongan, Central Java, has taught Javanese dance to Indonesian President Suharto's family and has given performances throughout Indonesia and overseas. She will perform the Klana dance

which portrays the emotions and actions of a king whose love for a young princess is not returned.

Guest artist Sumarsam has been trained since childhood in the varieties of gamelan music which flourished in the royal courts of Java. He has taught Indonesian music at Wesleyan for the past five years.

Grants Support Foreign Research

The Center for International Studies (CIS) at Cornell has awarded \$15,389 in grants to support junior faculty and graduate student research in international and comparative studies.

Milton J. Esman, the John S. Knight Professor of International Studies and director of CIS, announced that the awards will enable 26 scholars representing more than 20 academic fields and seven dif-

ferent colleges at Cornell to pursue research work during 1977-78.

Proposals submitted in CIS's annual competition numbered nearly 93 this year. Some of the research to be conducted will include the roles of elephants in the ecological resource use systems of Kenya; international sugar-pricing constraints; pre- and post-natal adaptation to Andean altitudes; and attitudes toward shipowners by seamen's unions in the U.S. and Great Britain.

Faculty grants were awarded to: David Blandford, agricultural economics; Jere D. Haas, nutritional sciences; Robert D. MacDougall, architecture; and Murray B. McBride, anthropology.

Graduate student grants were awarded to: James Allaway, natural resources; Lauris M. Beyda, anthropology; Timothy T. Clegg, industrial and labor relations; Peggy Daub, historical musicology; William L. Downey, international nutrition; Nancy E. Hague, geological sciences; Barbara D. Lynch, rural sociology; Andrew McGregor, agricultural economics; Adriana Mendez, Romance studies; Betty Morris, economics; Olatunji G. Oloare, city and regional planning;

Isaac Onuoha, agricultural education; Priscilla M. Regan, government; Wasim B. Salimi, law; Nathan H. Schwartz, government; Seleshi Sisaye, rural sociology; Rudy S. Spraycar, English; Gerald Steinberg, international relations; Jeffery H. Tarbox, government; Sylvia A. Walters, communication arts; Maura S. Weathers, geological sciences, and Miko Yamamoto, anthropology.

Appointment

Ronald J. Kuhr has been appointed associate director of research for the State College of Agriculture and Life Sciences at Cornell for a five-year term.

He also has been named associate director of the Cornell University Agricultural Experiment Station for the same term. Both appointments were effective April 7.



Scores

LACROSSE (6-0 overall, 2-0 Ivy League) Harvard 12-5; Penn 17-8.
BASEBALL (11-10 overall, 3-1 EIBL) Ithaca College 0-3; Colgate 12-10; Yale 4-3.
HEAVYWEIGHT CREW (1-0) Cornell, 1; Rutgers, 2.
LIGHTWEIGHT CREW (0-3) Princeton, 1; Rutgers, 2; Cornell 3.
MEN'S TRACK (1-1) Penn 78-90.
GOLF (2-1) Army 378, Cornell 397, Columbia 408.
MEN'S TENNIS (0-5 overall, 0-4 EITA) Yale 1-8; Brown 0-9.
WOMEN'S LACROSSE (2-2) Brockport 5-9; William Smith 11-4; Hartwick 16-0.
WOMEN'S SOFTBALL (1-3) Colgate 19-2.
WOMEN'S TRACK (4-2) Cortland, Cornell, Albany, Oswego, Alfred.
WOMEN'S SAILING Third and Fourth in Single-Handed Championships.
WOMEN'S TENNIS (2-0) Wells 6-1; Keuka 7-0.
WOMEN'S CREW (3-6) Redcliffe, Dartmouth, B.U., Cornell, Brown.

Office Reorganized

Paleen Gets New Duties

William Paleen has been appointed associate dean of students and director of residence life in the Office of the Dean of Students at Cornell as part of an extensive reorganization of the office's housing management and program responsibilities.

Effective July 1, the appointment and reorganization was announced by Elmer Meyer Jr., dean of students and assistant vice president for campus affairs.

Meyer said the reorganization is aimed at expanding and improving his office's services in response to the needs of undergraduate, graduate and student families. Accomplished with no expansion in budget, he said, it involves reshuffling some 35 positions and consolidating housing and programming functions into the Department of Residence Life.

Paleen is currently director of student housing with primary responsibility for the management aspects of student housing. Meyer said the reorganization was more than a year in the planning in preparation for scheduled retirement of four key administrators in the Office of Dean of Students and Department of Student Housing this June.

Under the new changes, Paleen said, six key administrative appointments have been made. Ann



William Paleen

Shumate is associate director of residence life as an assistant dean of students; Henry McPeak is assistant director of residence life/operations, and Henry Ross is business manager for residence life.

In addition to these, there will be three residential area directors. One of these posts has been filled by West Campus Assistant Dean David

Mills. Appointments to the other two will be made in the next month or so.

The three residential area directors who also carry the title of assistant dean of students, will focus the operations and programming services of the Office of the Dean Students Department of Residence Life in these geographical areas: West Campus and graduate units; Lower North Campus and small residences and Upper North Campus and family housing.

The consolidation of responsibilities, Paleen said, will permit, in addition to more extensive programming, inclusion of graduate students to a far greater degree than in the past. In addition, the area director of Upper North Campus will be responsible for programs aimed at the spouses and children of graduate students in Pleasant Grove, Hasbrouck Apartments and Cornell Quarters.

Some office shifts will take place after July 1. Paleen and McPeak, currently in offices in Balch Hall, will move to the central office of the Dean of Students in 103 Barnes Hall.

Staff resources for the 27 small residences will be expanded under the reorganization so that a full-time coordinator of small residences included in the plan.

Art Historian Named Schurman Professor

Creighton Eddy Gilbert, professor of art at Queens College, has been elected the Jacob Gould Schurman Professor of the History of Art in the Cornell History of Art Department, effective July 1.

Gilbert is considered one of the foremost United States historians of Renaissance Art. His field of specialty is the Italian Renaissance, but he is one of the few Italian Renaissance art historians who has also worked in the field of the Northern Renaissance. He is author of the widely used textbook "History of Renaissance Art."

Harry Levin, dean of the College of Arts and Sciences, said Gilbert's appointment is part of an effort to upgrade the college's Renaissance studies program. Levin said the

college already has a strong base of Renaissance offerings in several disciplines, and he said:

"We want the Renaissance program eventually to be as strong as the medieval program, which is first rate. Creighton Gilbert will help us do that."

Gilbert received his B.A. in 1942 and Ph.D. in 1955 from New York University. Before he joined the Queens College faculty in 1969, Gilbert has served on the faculties of the University of Louisville, Indiana University and Brandeis University. From 1965 to 1969, Gilbert was the Sidney and Ellen Wien Professor of History of Art at Brandeis. From 1959 to 1961, he served as curator of the Ringling Museum in Sarasota, Fla.

Farrell To Direct Hotel Admissions

Mrs. Cheryl S. Farrell has been appointed director of admissions for the School of Hotel Administration, according to an announcement by Dean Robert A. Beck.

Farrell, who has commenced her new duties, served as the senior administrative secretary to the dean for four years.

She is now responsible for the

admissions policies and procedures for the school, including the receipt, evaluation and processing of applications, coordination of all admissions activities within the Hotel School and with the University and coordination of all interviews for applicants, both on-campus and off-campus.

Special Seminars

Agriculture and Life Sciences

JUGATAE: "Host-Parasite Relationships Between the Greenhouse Whitefly and Encarsia formosa," Jim Nechols, 4 p.m., Monday, May 2, Caldwell 100.

NATURAL RESOURCES: "The Role of Zoos in Conservation," Clyde A. Hill, Curator of Conservation, Zoological Society of San Diego, 4 p.m., Thursday, April 28, Fernow 304.

NUTRITION: "Investigations of Branched Chain Amino Acid Antagonism," Trevor K. Smith, and "Simultaneous Regulation of Microsomal Enzymes of Cholesterol Metabolism," Joseph Spence, 4:30 p.m., Monday, May 2, Savage 100.

POULTRY BIOLOGY: "Understanding and Appreciating the Difference Between 'Like' and 'Love' as They Influence the Growth and Development of Graduate Students," Ed Schano, 4:15 p.m., Thursday, April 28, Rice 201.

VEGETABLE CROPS: "Effect of Bulbing on Root and Top Growth of Onions," Mohamed Osman, 4:30 p.m., Thursday, April 28, Plant Science 404.

Arts and Sciences

ASTRONOMY AND SPACE SCIENCES: "Gravitational Radiation from Relativistic Gravitational Collapse," Vincent Moncrief, Yale University, 4:30 p.m., Thursday, April 28, Space Sciences 105.

PHYSICS: "Towards the Absolute Zero," O.V. Lounasmaa, Helsinki University of Technology, Finland, 3 p.m., Wednesday, May 4, Clark 700.

Biological Sciences

BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY: "Hydrogenase of Nitrogen-Fixing Blue-Green Algae," Elisha Tel Or, University of California, Berkeley, 12:20 p.m., Monday, May 2, Wing Hall Library.

ECOLOGY AND SYSTEMATICS: "Lake Washington Story," W.T. Edmonson, University of Washington, Seattle, 10:10 a.m., Thursday, April 28, Warren 231.

ECOLOGY AND SYSTEMATICS: "Maintenance of Diversity in Coral Reefs," Joseph Connell, University of California, Santa Barbara, 4:30 p.m., Thursday, April 28, Langmuir Penthouse.

ECOLOGY AND SYSTEMATICS: "Territorial Behavior and Mating Success in Mona Island Iguanas," Tom Wiewandt, 4:30 p.m., Wednesday, May 4, Langmuir Penthouse.

GENETICS, DEVELOPMENT AND PHYSIOLOGY: "The Gal3 Insertion of E. coli," Asad Ahmend, University of Alberta, Canada, 12:15 p.m., Thursday, April 28, Emerson 135.

GENETICS, DEVELOPMENT AND PHYSIOLOGY: "Unstable Mutations," Asad Ahmed, University of Alberta, Canada, 12:15 p.m., Friday, April 29, Bradfield 108.

NEUROBIOLOGY AND BEHAVIOR: "Language and

Intelligence in Ape and Man," David Premack, University of Pennsylvania, 4:30 p.m., Wednesday, May 4, Ives 110.

PHYSIOLOGY: "Angiotensin: Its Central Role in Salt and Water Balance," Richard M. Malvin, University of Michigan Medical School, 3 p.m., Tuesday, May 3, Veterinary Research Tower G-3.

PLANT PHYSIOLOGY: "The Contractile Protein Theory of Translocation in Phloem," David Fensom, Mt. Allison University, Canada, 11:15 a.m., Friday, April 29, Plant Science 404.

Centers and Programs

RADIOPHYSICS AND SPACE RESEARCH: "Spacwarps, Black Holes and the Origin of the Universe," Kip S. Thorne, California Institute of Technology, 8:15 p.m., Monday, May 2, Ives 120.

Engineering

CHEMICAL ENGINEERING: "Some Recent Results in the Theory of Water," R.O. Watts, The Australian National University, 4:30 p.m., Monday, May 2, Olin Hall B (165).

GEOLOGICAL SCIENCES JOINT WITH THEORETICAL AND APPLIED MECHANICS: "Mechanics of Asymmetric Sea-Floor Spreading," Jay Melosh, California Institute of Technology, 3:30 p.m., Friday, April 29, Thurston 205.

Bulletin Board

Cricket Club Seeks Players

The Cornell Cricket Club will play its first game with Lawrenceville Cricket Club May 21. Those interested in playing with the club are welcome to join. Practice sessions are at 1 p.m. Sundays in Bacon Cage. The season includes games with Princeton, Penn State and Rutgers and 10 other teams. For further information call Bala S. Iyer, club president, at 256-6571, or Praveen Khullar at 256-1242 or 256-3582.

Pakistan Students Group Talk

"The Emerging Political Situation in Pakistan" is the subject of a talk to be given by Khalid B. Sayeed, professor of Political Science at Queen's University, at 12:15 p.m., Friday, April 29 in Uris Hall 302. Bring a brown bag lunch; coffee and cookies will be served.

Maintenance Has New Phone

Persons calling the Department of Maintenance and Service Operations to request maintenance or repair work will be calling a new number starting Monday, May 2.

Effective that date, the telephone will be 6-5322.

MATERIALS SCIENCE AND ENGINEERING: "Controlled Migration of Liquid Zones in Semiconductors," Thomas Anthony, G.E. Research and Development Center, 4:30 p.m., Thursday, April 28, Bard 140.

MECHANICAL AND AEROSPACE ENGINEERING: "Engine Research in General Motors Including High Speed Combustion Movies," Paul T. Vickers, G.M. Research Laboratories, 4:30 p.m., Tuesday, May 3, Grumman 282.

PLASMA STUDIES: "Recent Results of Intense Pulsed Ion Beam Experiments at the Naval Research Laboratory," G. Cooperstein, Naval Research Laboratory, 4:30 p.m., Wednesday, May 4, Grumman 282.

THEORETICAL AND APPLIED MECHANICS: "Rock Mechanics for the Oroville Power Station," F. Kulhawy, 4:30 p.m., Wednesday, May 4, Thurston 205.

Human Ecology

TEXTILES: "Definitions: The Roots of Communication," Herbert Pratt, E.I. du Pont de Nemours & Co., Inc., 4:30 p.m., Tuesday, May 3, Martha Van Rensselaer 317.

Uris Library Lists New Tapes

The following tapes have been added to the Uris Library Listening Room collection: "Tomorrow's Students and the Ecology of the Learning Process," Cross; "Flaubert and Marx," White; "The Ethnicity Factor and Afro-Latin American Literature," Jackson; and "Neurobiology and the Cartesian Myth," O'Brien.

Career Center Calendar

April 28 — Small group talk on Careers, Career Planning and Job Hunting, 4:45 p.m. Career Center.

April 30 — Careers for Blacks in Agriculture, 10 a.m.-4:30 p.m., 401 Warren Hall. Speakers, panel discussions, reception.

May 3 — Small group talk on Careers, Career Planning and Job Hunting, 2-4:45 p.m. Sign up in advance.

May 4 — Resume critique, 2:30 p.m. Career Center. Sign up in advance.

May 4 — Paul Krieger from Metapath Institute for Medical Education will be at the Career Center from 11 a.m. on, to talk with students interested in careers in medical technology.

May 5 — Small group talk on Careers, Career Planning And Job Hunting, 7:30-10:15 p.m., Career Center. Sign up in advance.

Bulletin Board

Committees Seek Members

Students and employees are urged to apply for membership on Campus Council and Campus Life Committees. Applications are available at the Willard Straight, Noyes Center and North Campus Union desks, at the Office of the Dean of Students, 103 Barnes Hall or the Information and Referral Center in Day Hall. Anyone with questions may contact Elmer Meyer Jr., dean of students and assistant vice president for Campus Affairs (256-2310).

Fulbright-Hayes Information

Information on the Fulbright-Hays Visiting Professor 1978-79 Program is available at the Center for International Studies, 170 Uris Hall. The program provides opportunities for departments to invite scholars from Africa, American Republics, Asia, East Europe and the Near East to serve as visiting professors and scholars-in-residence.

Library To Hold Book Sale

A book sale will be held at Mann Library from 9 a.m. to 5 p.m. Thursday, May 5 and 9 a.m. to 3 p.m. Friday, May 6. The sale, in the Informal Study Room, will include old and new material, children's books, fiction, USDA Yearbooks of Agriculture and items from Mann's subject areas (Anthropology to Zoology) which are duplicate gifts or discarded material.

Prize Nominations Sought

Nominations for the Flora Rose Prize are being sought. The prize fund, endowed anonymously to honor Professor Flora Rose, is awarded annually to an upperclass student who demonstrates the greatest promise for contributing to the growth and self-fulfillment of future generations. Nominations must be written and should include the names of two individuals (one should be faculty or administrative staff) who can comment specifically on the qualifications of the nominee.

Nominations must be submitted to Barbara Morse, N101 Martha Van Rensselaer, on or before May 4. A faculty committee will make the final nomination to the Dean of the State College of Human Ecology.

Linear Programming Talk

The history of IBM linear programming systems, the capabilities of Mathematical Programming System Extended (MPSX) and its advantages over an earlier version, will be discussed by Sherman Levy, IBM scientific marketing representative, and Paul Kingston, consulting industry specialist for IBM. The presentation, at 3:30 p.m., Friday, April 29 in G-14 Uris Hall, will include an example of a large research model for generator maintenance scheduling. A major portion of the seminar will be devoted to questions and answers on the use of MPSX for specific research applications.

The MPSX is an IBM program product available at Cornell which performs linear, separable, fractional and goal programming. With an optional feature, MIP, the package can do mixed integer programming.

The Promise of Space

Thomas Gold, director of Cornell's Center for Radiophysics and

Space Research and the John Wetherill Professor of Astronomy, will speak on "The Promise of Space" at 8:45 p.m. Wednesday, May 4, in Ives 120.

The lecture, which is free and open to the public, will follow the annual banquet of the Society of Sigma Xi.

Gold, a top adviser to the U.S. space program for many years, will discuss the future of the space program and the potential uses of space technology on earth—to improve communication, to monitor climate changes and pollution and to locate mineral deposits.

'Latinos in the U.S.' Lecture

A talk on the "Overview of Unemployment Problems Facing 'Latinos' in the U.S." will be given by Angelo Gonzales, assistant director of programs for the Research Training Program, at 3 p.m., Saturday, April 30 in 212 Ives Hall. The lecture, sponsored by the Cuban Cultural and Historical Society, is open to the public.

Sage Notes

(From the Graduate School)

Graduate students who have been registered at Cornell for at least one semester during 1976-77, who want and qualify for student status this summer, and who do not need residence units for summer study are eligible for Non-credit Graduate Registration for the summer at no charge. This registration provides a summer I.D. for clinic and library use and is required for foreign student status certification, fellowship or other student financial awards, Graduate School Summer Tuition Awards, G.I. benefits, etc. NCGR forms are available at the Information Desk in Sage Graduate Center. Registration may be completed on or after May 24, 1977.

Successful candidates for Summer Tuition Awards will be notified during the week of May 2.

Graduate students expecting a May 1977 degree must have their thesis and all forms filed in the Graduate School Office by May 13. There will be no exceptions. The next degree deadline will be Aug. 19 for degrees conferred Aug. 24, 1977. Doctoral candidates who expect to receive their Ph.D. degree in May are asked to notify the Graduate School if they plan to take part in the Commencement procession.

A reception for all graduate students who participate in Commencement exercises and their guests will be held in Sage Graduate Center immediately after the ceremony.

Final Commencement information is available in Sage Graduate Center. Caps and gowns may be ordered through Student Agencies, 412 College Avenue, and should be ordered before May 1, 1977, to avoid a late fee.

Degrees will not be awarded to students who owe fines to the University. All degree candidates should check their accounts with the Student Account Section of the Bursar's Office, 280 Day Hall, between May 10 and 23, 1977. Since mistakes can be made in the rush of Commencement activities, all candidates should check even if they are sure there are no outstanding charges due the University. All students with loans must set up exit interviews with the Financial Aid Office.

An exchange program with Ithaca College will permit Cornell graduate students to take a limited number of courses at Ithaca College which are relevant to their program and which do not duplicate Cornell courses. Check with the Dean's Office, Sage Graduate Center for details.

Calendar

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4:30 p.m. Communication Arts Distinguished Lecturer Series: "Quality of Work Life: Organizational Renewal In Action," Gordon L. Lippitt, George Washington University, Bradford 101.
4:30 p.m. Music Dept. presents Student Lecture Recital by Peggy Daub: "Music in the London Pleasure Gardens, 1730-1760." Works of T.A. Arne, Boyce, Handel, Worgan. Barnes Hall.
4:30 p.m. Slide presentation: "American Women of Style," Preparing the Metropolitan Museum of Art Exhibit. Dilmeran. DEA. Martha Van Rensselaer 317.
5 p.m. *Cornell Varsity "B" Lacrosse-Hobart. Schoellkopf.
6 p.m. The Christian Science Organization invites students, faculty, staff and visitors to campus to a Readings and Testimony meeting in the Founders Room, Anabel Taylor.
7:30 p.m. Israeli Folk Dancing. One World Room, Anabel Taylor.
8 p.m. *Cornell Cinema presents "Johnny Guitar." Attendance limited. Uris Auditorium.
8 p.m. "Thursdays" with "Blue Seven." Refreshments available. Sponsored by Willard Straight Hall Board. Free, open to the community. Straight Terrace.
8:15 p.m. Kappa Alpha Theta and Council of the Creative and Performing Arts Lecture: "Reality in Chekhov's Stories," Eudora Welty, short story writer and novelist. Ives 110.
8:15 p.m. *Department of Theatre Arts presents "The Bewitched" by Peter Barnes (American premiere). A Cornell University Theatre production in the Willard Straight Theatre.

Friday, May 6

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
12:15 p.m. Women's Studies Friday Seminar: "The Social Role of Women in Latin America," Rosemarie Muraro, editor-in-chief, Editora Voies Ltd, Rio de Janeiro. 105 & ILR Conference Center.
1:15 p.m. SALAT-AL-JUMA (Friday Prayer for Muslims). Edwards Room, Anabel Taylor.
3-7 p.m. Happy Hour. Thirsty Bear Tavern, North Campus Union.
4 p.m. *Cornell Tennis-Navy. Cascadilla Courts.
4 p.m. *Cornell Varsity Baseball-Navy. Hoy Field.
4-6 p.m. Happy Hour with John Glickman. The Pub, Noyes Center.
4 p.m. Seminar: "Conservation and Restoration of Historical Costumes," Dilmeran. DEA. Martha Van Rensselaer 317.
4:15 p.m. Kappa Alpha Theta and Council of the Creative and Performing Arts present Eudora Welty, short story writer and novelist, who will give a reading of her own work. Uris Auditorium.
6:30 p.m. Shabbat Services (Conservative). Founders Room, Anabel Taylor.

7 p.m. Shabbat Services (Orthodox). Young Israel House.
7 p.m. Pentangle II Free Film Series: "The Land" (Flaherty, 1941, U.S.), "Power and the Land" (Ivens, 1940, U.S.), "The Redwoods" (Harris, 1967, U.S.) Uris Auditorium.
7 & 9:45 p.m. *Cornell Cinema presents "Women in Love." Attendance limited. Statler Auditorium.
8:15 p.m. *Department of Theatre Arts presents "The Bewitched" by Peter Barnes (American premiere). A Cornell University Theatre production in the Willard Straight Hall Theatre.
9:15 p.m. *Cornell Cinema presents "Hester Street." Co-sponsored by History Club. Limited. Uris Auditorium.
11:15 p.m. *Cornell Cinema presents "Creature From the Black Lagoon." Late Nite Series. Limited. Uris Auditorium.

Saturday, May 7

9:30 a.m. Sabbath Services (Orthodox). Edwards Room, Anabel Taylor.
10 a.m. *Cornell Varsity "B" Lacrosse-Cortland. Schoellkopf.
1 p.m. *Cornell Varsity Baseball-Princeton (2). Hoy Field.
2 p.m. *Cornell Varsity Lacrosse-Princeton. Schoellkopf.
After Lacrosse Game, "Sack a Slick Swine Competition." Lower Alumni Field.
2 p.m. *Cornell Tennis-Princeton. Cascadilla Courts.
3 p.m. Marionette Performance: "Jeglenda and the Dreaming of the Days," Wood, Wind and Strings Marionette Theatre. Risley Renaissance Fair.
5-7:30 p.m. *Steaks Ltd. in the Student Cafeteria. Statler Inn.
5:15 p.m. Catholic Mass. All welcome. Anabel Taylor Auditorium.
7 & 9:15 p.m. *Cornell Cinema presents "Hester Street." Limited. Uris Auditorium.
7 & 9:45 p.m. *Cornell Cinema presents "Women in Love." Limited. Statler Auditorium.
8 p.m. *Comedian Robert Klein with guest autoharpist Bryan Bowers. Sponsored by University Unions Program Board, the Oliphant Fellowship and WVBR-FM. Bailey Hall.
8:15 p.m. *Department of Theatre Arts presents "The Bewitched" by Peter Barnes (American premiere). A Cornell University Theatre production in the Willard Straight Theatre.
8:15 p.m. Department of Music presents a Student Recital. Raymond Kretschmer, piano. Works of Haydn, Chopin, Bartok, Palmer. Barnes Hall.
11:15 p.m. *Cornell Cinema presents "Creature From the Black Lagoon." Late Nite Series. 3-D. Uris Auditorium.

Sunday, May 8

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

and nursery provided. Anabel Taylor Chapel.

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

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

11 a.m. Sage Chapel Convocation. Robert A. Hall Jr., professor of Linguistics and Italian, emeritus, Cornell.

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

1-5 p.m. Solidarity with Soviet Jewry Day: A Symposium on Soviet Jewry. Speakers: Glen Richter, national coordinator of Student Struggle for Soviet Jewry, and Steven Berk, professor of Russian and Jewish History at Union College. Film and panel discussion. One World Room, Anabel Taylor.

4 p.m. Jugatae Seminar: "Bug Drugs: Medicinal Uses of Insects through History," Mai Barenbaum. Caldwell 100.

7 p.m. Cornell International Folkdancers. Straight North Room.

8 p.m. *Cornell Cinema presents "Viridiana." Spanish Cinema Series. Uris Auditorium.

8:15 p.m. Sage Chapel Choir: Durufle Requiem. Donald R.M. Paterson, conductor, D. Marc Loudon, organist, Jack M. Wilcox, baritone, and Linda Thurston Paterson, soprano. Sage Chapel.

EXHIBITS

The Third Annual Ithaca Video Festival will be shown April 28 through May 1 at the Herbert F. Johnson Museum of Art. The exhibition will run continuously during museum hours. Admission is free.

Herbert F. Johnson Museum of Art: Selections from the Robert P. Coggins Collection of American Painting: May 4 - June 12; "Cities on Stone: Nineteenth-Century Lithograph Images of the Urban West." May 4 through June 19.

Olin Library. "Human Anatomy: Art and Science," from the Howard B. Adelman collection, History of Science, Olin Library.

ANNOUNCEMENTS

The Grateful Dead concert of May 8, sponsored by the Cornell Concert Commission and John Scher, sold out on April 15. The commission wishes to emphasize that there are no tickets left and there will be none available at the door. 8,500 people will attend the concert, the first Barton Hall sell-out in three years.

Spring Sale at the Yarn Barn, April 28 through May 5. Open to the public. Yarn Barn will be closing for the semester, May 5. Hours are 6-9 p.m. Tuesday through Thursday, 1-5 p.m. Saturdays. North Campus Union.

Craft Fair, sponsored by University Unions will be held from 10 a.m.-6 p.m. May 5 & 6 in the Straight Memorial Room. On Saturday, May 7, it will be held at Risley from 12 noon-6 p.m. (Memorial Room in case of rain).

April 28 - May 8

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

Thursday, April 28

Friday, April 29

8 p.m. *Cornell Cinema presents Sci-Fi Triple Feature: "Invisible Man," "Beast From 20,000 Fathoms," "Silent Running." Attendance limited. Ives 120.

11 p.m. *Cornell Cinema presents "The Pink Panther." Late Nite Series. Limited. Uris Auditorium.

"Occurrence at Owl Creek Bridge," reflections on the Civil War.
Risley Theatre.

Javanese Music and Dance. Cornell Gamelan Ensemble, with Sumarsam and Urip Sri Maeny, Wesleyan University. Barnes Hall.

Tuesday, May 3

For further information, call Craig Esposito at 256-3516. Multi-purpose Room, North Campus Union.

Thursday, May 5

4:30 p.m. World Tae Kwon Do Association Korean Karate

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