

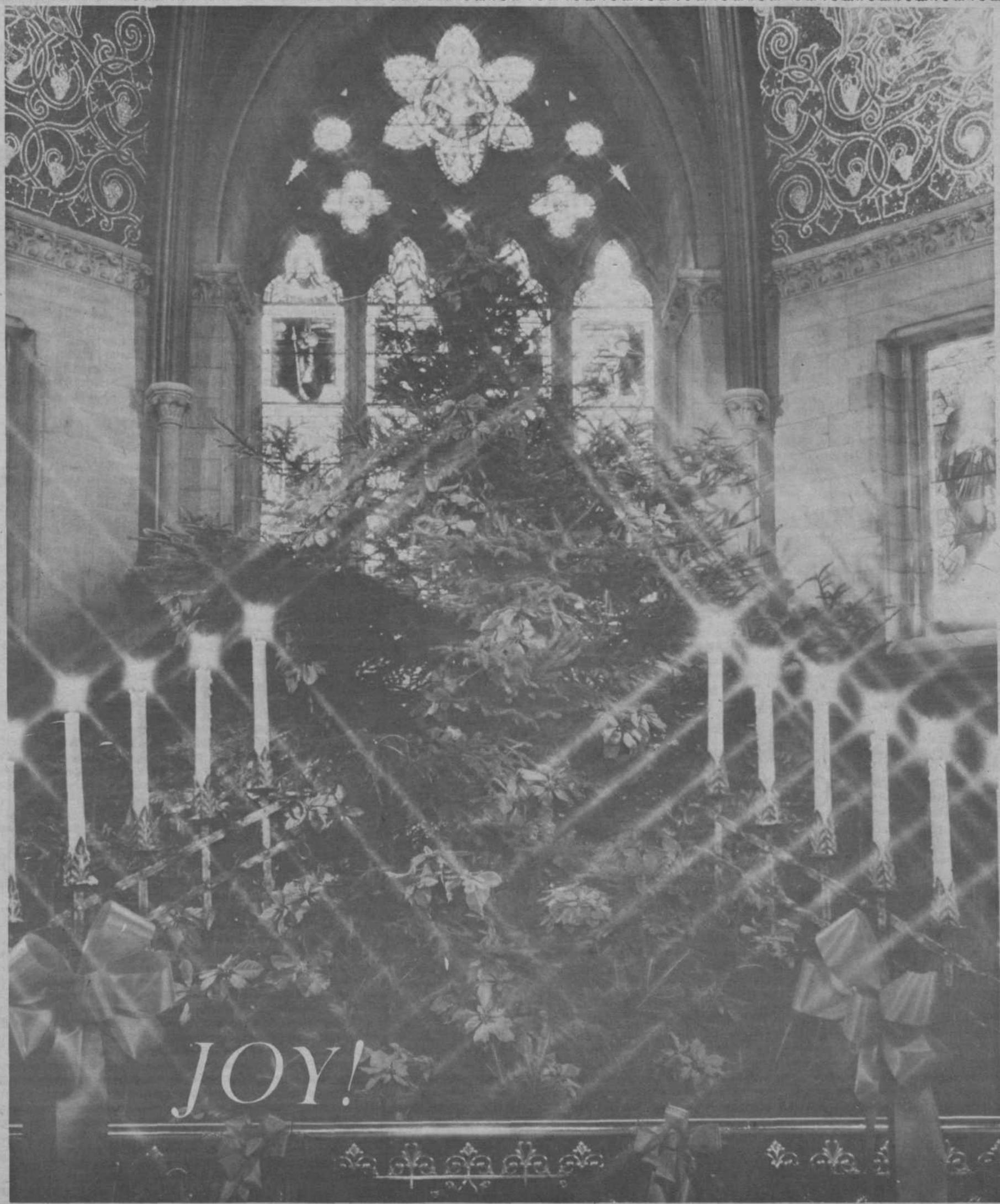


CORNELL CHRONICLE

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Thursday, December 16, 1976

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Declining Enrollment Assessed

Knapp Outlines Challenges

Provost David C. Knapp, in a wide-ranging talk before the Faculty Council of Representatives last Wednesday, outlined the problems he sees facing Cornell and other institutions of higher education in light of declining college enrollments.

He said a lot will depend on the reputation of Cornell as a center of scholarship and learning, in terms of the quality of the undergraduate program and the quality of the undergraduate student body.

Here is a summary of Knapp's remarks:

Several weeks ago I asked the Dean of the Faculty if it would be appropriate to take 15 or 20 minutes to pull together some of the things which have been taking place on campus with respect to issues which flow out of the Priorities Studies of a year ago, and also some of the things which we are doing to address the major demographic issue facing not only Cornell but other universities in the long-range future. What they add up to is a picture of a broad and comprehensive concern throughout the University, and particularly on the part of the faculties of the colleges and schools, with the quality of the University, the quality of education, and the quality of the student body.

Let me first indicate what I think the longer-range issue is. As all of us know from our experience in the local school system, we can anticipate a decline in the college population of fairly substantial proportions by 1990. The best figures that

I have right now suggest that in the northeastern part of the United States from which we draw 70 per cent of our undergraduate students, we will see a decline of at least 20 per cent in the college age population. That is a very substantial decrease, and one that we cannot ignore as we think about the long-range future of higher education. The decline also suggests that we are probably entering one of the most intensely competitive eras in higher education. We have seen great growth in numbers of institutions over the last several years. All will be recruiting from a smaller pool of students. This leads us at Cornell to have a major concern with how we will fare in the competition in the period 15 years ahead of us.

A good deal of how we come out is going to depend upon three things; the reputation of Cornell as a center of scholarship and learning; our reputation in terms of the quality of our undergraduate program; and the quality of our undergraduate stu-

dents. All of these are areas of activity and consideration within the University right now.

First, with respect to the status of Cornell as a center of scholarship and learning, quite clearly the most critical factor is the maintenance of a strong faculty. This has been a principal concern in all of our planning in the last several years. It was a principal concern in the development of the budgeted adjustment program two years ago and it was a major reason for the so-called

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Judicial Personnel On Campus Sought

Applications are now being sought for the positions of judicial administrator and judicial adviser. Anyone within and outside the Cornell community is eligible for consideration.

The deadline for submitting applications is Tuesday, Feb. 1, although it was announced previously as Dec. 20. The applications must be filed in the University Senate Office, 133 Day Hall.

The judicial administrator is the key person in the University's judicial system, which covers all members of the Cornell community—students, faculty and staff. It is a full-time position with a CPO5 rating. The judicial adviser is a part-time position involving about 10 hours of work a week with pay of approximately \$3,000 a year. The two-year terms will start July 1.

According to Senate regulations, the appointments are made by the University president, subject to ratification by the Senate.

The president's selection is made from among several candidates selected by search committees whose memberships are composed of presidential and Senate appointees.

On the current judicial administrator search committee are Elmer Meyer, employee; Elizabeth Kutscher and John Oswald, students; and David Danielski and Richard Polenberg, both faculty.

The members of the judicial adviser search committee are Jay Cohen and Ellen Rachlin, students;

Marianne Graham, employee; and Ralph Bolgiano and Dorothy Nelkin, faculty.

Barbara Kauber is currently judicial administrator and has held the post for two terms. The judicial adviser is Isiah C. Mathews, a law student.

The search committee is now accepting nominations. It is headed by Douglas Fitcher, a member of the faculty. Its other members are William Erickson and Jennifer Gerner, both faculty; Clifton Taylor and Stephen Zizzi, students; and Benjamin Bowser and Ronald Wolverton, employees. Erickson, Wolverton and Zizzi were appointed by the Senate. The others were named by Corson.

Judicial System Review Group Gets Underway

The President's Judicial System Review Committee met for the first time Monday.

According to its chairman, Joseph B. Bugliari, the nine-member committee will conduct an intensive study during the spring term in compliance with President Dale R. Corson's charge "to review the current state of the University judicial system, to make an appraisal thereof, and make any recommendations concerning changes that are deemed necessary."

Corson asked Bugliari, a professor of agricultural economics in the New York State College of Agriculture and Life Sciences and a lawyer by profession, to head the review two weeks ago.

The other eight members of the committee were announced this week. They are: Marie Provine, doctoral candidate; Dawn Cross, employee in personnel services; Robert Kyle, Arts '77, chairman of the Senate Codes and Judiciary Committee; Bernard R. Weinberger, graduate student, chairman of the University Hearing Board; Scott L. Spitzer, law student, chairman of the University Review Board, and Faust Rossi, professor of law; G.

Robert Blakey, professor of law; Walter R. Lynn, professor of civil and environmental engineering; Charles Howland, Arts '79, and Jay Cohen, Arts '77. Howland and Cohen were appointed by the University Senate at the request of the president, who appointed the other members.

Corson also developed an eight-member committee to serve as consultants to the review committee. The consultants are Isiah C. Mathews, a law student and University judicial adviser; Ithaca City Judge, James J. Clynes Jr.; William McDaniel, director of public safety; Barbara Kauber, the University's judicial administrator; Michael I. Wolfson, assistant University counsel; Bernard R. Weinberger, graduate student, chairman of the University Hearing Board; Scott L. Spitzer, law student, chairman of the University Review Board, and Robert Kyle, Arts '77, chairman of the Senate Codes and Judiciary Committee.

Job Opportunities At Cornell University

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

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

* indicates new jobs in this week

(sh) indicates shorthand required

POSITION (DEPARTMENT)

CLERICAL POSITIONS

Sr. Administrative Secretary, A-17 (University Development (sh))

*Sr. Administrative Secretary, A-17 (Arts & Sciences (Deans Office))

Administrative Clerk, A-16 (Col. of Architecture, Art & Planning)

Administrative Secretary, A-15 (NAIC)

*Steno I, NP-5 (Plant Breeding & Biometry)

Steno I, NP-5 (Agri. Economics)

*Clerk II, NP-5 (Media Services Printing)

Steno II, NP-6 (Animal Science)

*Program Aide I, NP-5 (Coop. Exten. Admin. (N.Y.C. Programs))

*Steno II, NP-6 (Coop. Exten. Admin. (4-H Office))

*Stat. Clerk II, NP-6 (Agronomy-Div. of Atms. Sciences)

Steno II, NP-6 (Finance & Business)

Technical Aide Jr., NP-7 (Div. of Nutritional Sciences)

Department Secretary, A-13 (Military Science)

Department Secretary, A-13 (International Student Office)

Department Secretary, A-13 (University Press)

Department Secretary, A-13 (Hotel Administration)

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

*Library Assistant II, A-12 (Univ. Libraries (Africana Studies & Research))

*Library Assistant II, A-12 (Univ. Libraries (Circulation/Uris))

Library Assistant II, A-12 (Univ. Libraries (Olin/Acquisitions))

*Nurses' Aide, A-11 (Health Services)

*Records Clerk, A-9 (Alumni Affairs)

ADMINISTRATIVE POSITIONS

Controller (Administrative)

Associate Director, CP08 (Materials Science Center)

Director of Public Affairs for Physical Education & Athletics, CP08 (Public Affairs)

*Legislative & Governmental Relations Assistant, CP08 (V.P. for Land Grant Affairs (Albany))

*Admin. Manager II, CP05 (NYSSILR (N.Y.C.))

Producer/Director, CP05 - Comm. Spec. (Media Services/ETV Center)

Professional Chef, CP05 (Dining Services)

*Staff Assistant II, CP04 (V.P. for Land Grant Affairs)

Farm Manager II, CP04 (Vet. Microbiology, James A. Baker Inst. for Animal Health)

Medical Illustrator, CP04 (Vet. Anatomy)

*Purchasing Agent II, CP04 (Purchasing)

*Purchasing Agent II, CP04 (Dining Services)

Admin. Supervisor I, CP01 (Graphic Arts Services)

Curatorial Assoc., CP04 (Section of Ecology & Systematics)

Editor II, CP04 (Media Services)

Computer Staff Specialist I, CP05 (Office of Computer Services)

TECHNICAL POSITIONS

Sr. Elec. Technician, A-21 (Chemistry)

Senior Lab. Tech, A-18 (Biochemistry, Molecular & Cell Bio.)

Maintenance Mech, A-18 (Physical Plant Operations)

Computer Operator I, A-17 (Office of Computer Services)

Lab. Tech. II, NP-11 (Plant Pathology (Feb.))

Lab. Tech. II, NP-11 (LAMOS - Clinical Pathology)

Research Tech. III, NP-12 (Vegetable Crops)

*Lab. Tech. I, NP-8 (LAMOS - Mastitis Control (Springville Lab.))

*Lab. Tech. I, NP-8 (Agronomy)

Research Support Specialist I, CP03 (Ecology & Systematics (Grant))

Research Support Specialist II, CP04 (Agricultural Engineering)

ACADEMIC AND FACULTY POSITIONS (Contact Department Chairperson)

Extension Associate IV, CP06 (Agricultural Economics)

Extension Associate III, CP05 (NYSSILR - (N.Y.C.))

Research Associate III, CP05 (Education)

Associate Librarian, Cp04 (Univ. Libraries (Catalog/Olin))

*Research Associate II, CP04 (Appl. & Engr. Physics (1 year appointment))

Assistant or Assoc. Prof. of Health Administration and Planning (B&PA)

Assistant Prof. Housing Extension (Consumer Economics & Public Policy)

Assist./Assoc. Professor (Consumer Economics & Public Policy)

Assist./Assoc. Prof. Housing Economics (Consumer Economics & Public Policy)

Assistant Professor of Art (Department of Art)

Assist. Professor - Systematic Botany (Div. of Biological Sciences)

Assistant Professor (Section of Biochem. Molecular & Cell Bio.)

Assistant Professor (College of Engineering)

Assistant Professor (Women's Studies Program)

Babcock Professorship of Food Eco. (Div. of Nutritional Sciences)

Assistant Professor (Div. of Nutritional Sciences)

Assistant Professor (Div. of Nutritional Sciences)

Clinical Instructor (Div. of Nutritional Sciences)

Assist. Prof. - Human Nutrition (Div. of Nutritional Sciences)

Assist. Prof. - Comm. & Public Health Nutrition (Div. of Nutritional Sciences)

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Trustees Name New Registrar

Eleanor Lundy Rice, Registrar at Hampton Institute has been appointed University Registrar at Cornell, effective Feb. 1, 1977.

The action was taken by the Executive Committee of the University Board of Trustees at its monthly meeting Tuesday in New York City, upon the recommendation of President Dale R. Corson. Rice succeeds



Eleanor Lundy Rice

Walter A. Snickenberger who resigned last summer to accept a position at Southern Methodist University as vice president for student affairs. Peter Jackson, assistant to the Vice President for Research, is acting registrar.

A graduate of Hampton Institute, Rice earned a master's degree in guidance and counseling at the College of William and Mary in 1972. Registrar at Hampton since 1974, Rice has had a varied career as a home economics teacher, social worker and academic administrator in this country and overseas since 1944. She has two grown sons.

From 1961 to 1968 she was a home economics teacher and adviser with a USAID Contract Team from Hampton Institute to Sierra Leone in West Africa. She served as director of freshman studies at Hampton Institute from 1968 until assuming her current post in 1974.

Rice was a social worker from 1944 through 1950 for Norfolk County and in Newport News in Virginia. She taught at Hampton Institute from 1950 through 1956 and from 1957 through 1960 she taught at the International School of Bangkok in Bangkok, Thailand.

Cornell Receives Most NEH Fellowships

Seven Cornell faculty members have been awarded independent study and research grants from the National Endowment for the Humanities (NEH), making the University the national leader in the number of fellowships won. Three out of five fellowships awarded in philosophy in New York State were to Cornellians.

The winners are Daniel A. Baugh (British history), Carl Ginnet (philosophy), Frank H. Golay (economics and Asian studies), Gordon Kirkwood (Classics), Norman Kretzmann (philosophy), David Lyons (philosophy) and Brian Tierney (European history).

Yale and Stanford shared second-place honors with six fellowships each (plus one to the Yale Divinity School).

According to the NEH's publication "News," the 179 national fellows were selected from a field of 1,719 applicants, whose interests

span the range of humanistic disciplines, among which are literature, history, philosophy, foreign languages, jurisprudence and others.

The fellowships for independent study and research offer stipends of up to \$20,000 for a full year and up to \$10,000 for six months. They are intended primarily to pay a fellow's regular salary, allowing him or her to take a leave of absence from normal duties in order to devote full time to a project in the humanities.

President Dale R. Corson has submitted a statement to the Internal Revenue Service opposing an IRS proposal to begin taxing benefits received under the University's Children's Tuition Scholarship program.

In last week's issue, the Chronicle carried a story about the proposal. Since then, the IRS has changed the original date of its public hearing on the proposed change from Dec. 17 to Jan. 7, 1977. Assistant to the President J. Robert Barlow will attend the hearing in Washington, D.C., representing the University.

Following is the full text of Corson's letter to Donald C. Alexander, Commissioner of the IRS. Copies of the letter are being sent to Senator Javits, Senator-elect Moynihan, and to Representatives McHugh, Conable and Walsh, according to Barlow.

Dear Mr. Alexander:

This letter is written in response

Profile For Neufeld, It's Teaching

"He can quote Keats and Shelley, discuss Sinclair Lewis or ancient history..." A description of a distinguished professor of English or history? No, of Maurice F. Neufeld, professor of industrial and labor relations.

At the School of Industrial and Labor Relations' labor day convocation, Neufeld received the school's 1976 Excellence in Teaching Award. "Teaching is what this college is all about to Professor Neufeld," continued the student essay quoted above. "The students of this school can be grateful for that."

More than 30 years' worth of students can be grateful. Neufeld, who became professor emeritus at the end of last year, was one of the ILR School's first teachers. He is still teaching—but only one course instead of the four he taught annually for the past 30 years. He needs time to revise a 900-page research manuscript.

Teaching has been his first love for many years. Like most experienced practitioners of this art, he has sensitive antennae to measure his performance. For example, in the days when the ILR school was in Quonset huts on what is now the engineering quadrangle, many of his colleagues would object to women students knitting in class, Neufeld said. One of Neufeld's classes included a young woman who always sat in the first row, knitting as he lectured. "She was very bright," he recalled. "Whenever I made a point I considered important, I would look at her. If she put her needles down and made notes, I knew I had succeeded. If she went on knitting, I knew I wasn't getting across. I never complained about knitting."

Like those of other ILR professors who joined the school in its early days, Neufeld's career has included public service. He came to ILR at its founding from a job in Governor Herbert H. Lehman's New York State administration, where he had served as director of the Division of State Planning, deputy commissioner of commerce, director of the State Bureau of Rationing, assistant coordinator of State War Plans, chairman of the Governor's Committee on Post-War Employment, and in several other high posts.

He has also been an instructor in Medieval History at the University of Wisconsin, where he obtained his Ph.D., a labor organizer, an army officer, a dramatics director, and a consultant to numerous organizations.

In fact, Neufeld can be considered something of a renaissance man. Somehow, despite his many



Maurice Neufeld talks with student

other activities, he has found time and energy to publish more than 35 articles, monographs and books on a variety of topics. A translation into English poetry of Sophocles' *Antigone*, which was first published during his sophomore year at college, is still available in an anthology of ancient Greek literature issued by the University of Wisconsin Press.

Neufeld believes a foundation of a good education is good writing. "Students have to learn how to write plainly, uncorrupted by academese," he said. "I require them to do a paper based on primary sources. It's hard work, and they regard it as hard work — they know I'm not an easy marker. I have high expectations for students in my courses."

Neufeld agrees that the number of college students who can write well has declined in recent years. "The percentage of students who write exceptionally well has not changed," he said, "but this was always a very small number. The percentage who can express themselves adequately has declined. There is a new ignorance of the meaning of words — probably in part because of the influence of television — and a greater reliance on faddish words."

Neufeld once distributed to this students a list of about 100 forbidden words. It included such words as "effectuate, in terms of, meaningful, and orientate." To this list he has added some more recent candidates: "thrust, like (instead of 'as'), -wise (preceded by any word), great, you know, fantastic..."

Like I said, Maurice Neufeld has been a fantastic teacher, a great person and has orientated his students in terms of effectuating their knowledge. Education-wise, you know, his thrust has been meaningful.

—Bryant Robey

Corson Objects to Tuition Tax Proposal

President Dale R. Corson has to your notice of proposed new vice's action in proposing the new We perceive such matters to be regulations under Section 117 of regulation is unfortunately timed extremely complex and not susceptible the Internal Revenue Code, as and taken with unwise haste, com- of easy resolution.

published in the *Federal Register* of Nov. 2, 1976, and your invitation to ing as it does on the eve of a change Permit me to add that we fully comment thereon.

We at Cornell are gravely concerned that the Internal Revenue Service now seeks to tax tuition

scholarships for the children and spouses of employees of educational institutions in direct contravention of the expressed intent of Congress and in complete reversal of 22 years of rule making. It seems to us that the proposed regulation concerns a matter more appropriately handled by legislation. For that reason alone, we believe it should be withdrawn.

We also call your attention to the fact that having published in the *Federal Register* of Sept. 5, 1975 a discussion draft regarding employee benefits (and we do not concede that tuition scholarships are such a benefit) the service is now taking a piecemeal approach to a revision and reversal of a regulation of long standing. It strikes us that such an approach is inconsistent with a legislative review of the tax status of benefits.

Lastly, we observe that there evidently has been no consideration of the consequences of the proposed regulation in terms of collective bargaining agreements, or the applicability of the Fair Labor Standards Act or the Equal Pay Act.



NORTH CAMPUS STUDENT CENTER

CORNELL CHRONICLE

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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.

Building, Properties Challenged on Plans

Editor:

I read with interest your article in the Dec. 9 issue entitled "Energy Saving Efforts Slacken on Campus." Being an ordinary person without the benefit of all the wisdom available to the planners at Cornell's Buildings and Properties Division, I paused to reflect on the logic of B&P's planned rework of rooftops for the Engineering College

buildings in mid-January. I am told this will include what amounts to flame throwers to dry the surfaces to be treated. Unless our roof at Phillips Hall, and others around the quad, is in imminent threat of failure, I challenge B&P to justify this flagrant waste of energy and money.

Varley Wrick

School of Electrical Engineering

Trustees Approve Sage Dining Renovation

Complete renovation of the Sage College Dining facilities at a cost not to exceed \$620,000 has been approved by the Executive Committee of the University Board of Trustees.

Approval was given for the project, scheduled for completion in time for the start of 1977 fall term, at the executive committee's monthly meeting Tuesday in New York City. Construction is expected to start about May 10, the last day of classes for the spring term, and continue through the rest of May and the months of June, July and most of August.

One of the most heavily used dining facilities on campus, the area

holds 265 persons at one time and feeds about 900 students, mostly undergraduates, at noon and evening meals. The renovation is expected to bring the dining area's seating capacity to nearly 400 at one time.

The basic facility has not been changed since 1940 and is a conglomeration of what Dining Services has called "temporary makeshift solutions to changes that have occurred in food service technology in the past 35 years."

The proposed modernization will include counter and booth eating areas and the standard cafeteria and short order service.

Trustees Rescind Transfer Tuition Policy

Cornell's "transfer tuition policy," which has been in effect in various forms since at least 1903, has been rescinded as of Jan. 24, 1977, by the Executive Committee of the Board of Trustees, which met Tuesday in New York City.

The policy affected students who transferred from one of Cornell's statutory colleges to one of its endowed colleges. Such transferees were required to pay the difference between the statutory and endowed division tuition rates for all credits applied toward a degree awarded by an endowed college.

For example, a student transferring in the junior year from the College of Agriculture and Life Sciences to the College of Arts and Sciences had to pay back tuition as if he or she had been enrolled in the College of Arts and Sciences from the freshman year.

According to Mark Barlow Jr., vice provost, the policy probably was first instituted to discourage students from transferring from one



Can We Afford It?

Nuclear Energy Debated

The economics of nuclear power was the central issue in a debate between physicist Hans Bethe and biologist Barry Commoner Thursday night (Dec. 9) in Bailey Hall.

Both men agreed that petroleum was going to run out — although they differed on the amount of reserves still untapped. They agreed that present fission-type reactors were reasonably safe — although they differed on how much the safety had cost and on how long nuclear power would be available. They differed sharply, however, on the cost of solar energy as a long-range solution to the energy supply problem.

Bethe, the John Wendell Anderson Professor of Physics, emeritus, at Cornell, contended that the cost of solar power would be tremendous — that it would cost more than nuclear power, developed even with the most elaborate safety precautions.

He presented data from the federal Energy Research and Development Administration indicating that even in the most favorable areas of the country, using the sun to heat homes would cost more than heating with natural or synthetic gas in the foreseeable future.

Using the sun for electricity production, he said, would be tremendously expensive, costing some \$2,500 per kilowatt installed, compared with \$800 per kilowatt for the breeder reactor, \$450 for coal and \$500 for conventional light water reactors.

Commoner showed data, gathered for the St. Louis, Mo. area (where he directs the Center for the Biology of Natural Systems at Washington University) indicating that solar energy used to supple-



Barry Commoner



Hans Bethe

ment heating with fossil fuels would be economically feasible.

He maintained that since solar energy was a cheap source of power, it was not of interest to big multinational corporations. But, he said, "it could be done by local people for local people with no government intervention."

Bethe advocated strict conservation of energy, but he stressed that the country must also develop new sources of energy to replace fossil fuels and to maintain the gross national product, a figure closely tied to energy usage.

Bethe acknowledged that coal "is a wonderful substance. We have a lot of it, and it is going to be very important," but, he said, by the year 2000 the U.S. will have to obtain about 500 million kilowatts of electricity from nuclear power.

He stressed that nuclear reactors are extremely safe and have multiple lines of defense built into them. A

serious release of radioactive fission products to the biosphere would occur not more than once in 100,000 reactor years, he said. Such a release, which might affect 5 to 10 million persons, would have no immediate effect and would produce perhaps 1,000 cases of cancer many years later, he added.

"I agree with the risks already raised (about nuclear energy). They have raised the price of nuclear power, and it is now too expensive. We should plan now to close down the entire nuclear industry," Commoner countered.

Bethe acknowledged that the cost of building nuclear plants had increased in recent years, but he attributed most of the increase to inflation. The cost of nuclear fuel, he said, is still less than everything but hydroelectric power.

Commoner warned that supplies of uranium for conventional reactors were running out and that the breeder reactors now being developed would use plutonium, which could also be used in bombs. He predicted that nuclear power would be a "short-lived phenomenon unless we take the enormous risks of a plutonium economy."

Bethe countered that the uranium supply is sufficient to fuel conventional reactors for many years to come and that when the breeder reactor is perfected, enough fuel would be available for at least 40,000 years. Stringent safety requirements would make it very difficult for plutonium to fall into the wrong hands, he added.

Commoner cast his vote against nuclear power; Bethe voted for it. "Now," Commoner said, "it is important to have the other 200 million people in this country decide how much they want to pay for nuclear power."

The debate at Cornell was sponsored by the Eco-Justice Task Force of the Centre for Religion, Ethics and Social Policy; Science, Technology and Society Program; Department of Natural Resources; Cornell Forum; Oliphant Fellowship; Ecology Action; League of Women Voters of Tompkins County and the Cayuga Lake Conservation.

Job Opportunities

Continued from Page 2

These are all regular full-time positions unless otherwise specified. PART-TIME AND TEMPORARY POSITIONS (All Temporary and Part-time positions are also listed with Student Employment)

Stat. Clerk IV, NP-10 (Rural Sociology (Temp. f/t))

*Research Aide I, NP-9 (2) (Consumer Economics & Public Policy (Onondaga County resident) (1 yr. app't) (p/t))

*Admin. Secretary, NP-8 (Comm. Service Education (Temp. f/t))

Part-time Clerk (Admissions Office (Temp. f/t))

*Library Assistant II, NP-5 (Vet. Library (Temp. f/t))

Typist/Research Aide, A-14 (Government (perm. p/t))

Senior Keypunch Operator, A-13 (Accounting)

Senior Account Clerk, A-13 (Univ. Libraries (Budget & Acc't) (perm. p/t))

Department Secretary, A-13 (Div. of Biological Sciences (perm. p/t))

Assist. Business Manager - 3.00 hr. (B&PA/Asq. (Temp. f/t))

Temp. Service Clerk (Vet. Micro. - James A. Baker Institute for Animal Health (Temp. p/t))

Temp. Service Technician (Human Dev. and Family Studies (Temp. p/t))

Temp. Service Professional (Animal Science (Temp. p/t))

*Temp. Cooks (3) (Nutritional Sciences (Temp. f/t))

Technical Aide (M.S. & E. (perm. p/t))

*Security Guard - 3.00 hourly (Johnson Museum (perm. p/t))

Lab. Tech, A-15 (Biochem., Molecular & Cell Bio. (perm. p/t))

Research Tech, I, NP-8 (Entomology (Geneva))

Dairy Worker I, NP-7 (Animal Science (Temp. f/t))

*Jr. Lab. Tech., NP-6 (Natural Resources (1 yr. app't.))

Research Specialist, CP04 (Univ. Libraries (Lafayette Project) (Temp. f/t))

Research Support Spec. I, CPO3 (Entomology (Geneva) (1 year appointment))

Research Support Spec. I, CPO3 (Vet. Physiology, Biochemistry, and Pharmacology (Temp. f/t))

Corson Reminiscences on Rhodes

University President Dale R. Corson made the following remarks on the death of Fred H. Rhodes: Fred H. Rhodes would answer the phone by saying, "This is Fred Hofman Rhodes, director of the School of Chemical and Metallurgical Engineering. Herbert Fisk Johnson Professor of Industrial Chemistry, Professor of Chemical Engineering, and personnel officer of the School." He then would insist the caller address him as "Dusty."

Cornell University is diminished by the death of "Dusty" Rhodes. He is a Cornell legend and a chemical engineering legend. He was a leader in the establishment of chemical engineering at Cornell, in the development of chemical engineering education, and in the betterment of the chemical engineering profession. He has often been described as the "father" of chemical engineering at Cornell, which is true and to his credit, although he might have disavowed the attribution of chemical paternity. He believed chemical engineers had to be competent chemists and also competent engineers, as well as having specialized training in putting both types of knowledge into practical application in design and construction of chemical manufacturing plants. He believed the requisite competence in Cornell's chemical engineers could be achieved through effective teaching.

"Dusty" Rhodes was himself no ordinary person and he wanted extraordinary individuals as students. He wanted to teach and train superior engineers. With a humanity covered with a veneer of gruffness and mild chicanery, he built the curriculum and the program, forced his students to superior work, and then assured them of positions of status in the profession. He fought for his students, he supported them, and he defended them against incursions from alien beings. (He had a particular capacity for placing professors of physics in perspective and in place.) He continued to be concerned about them when they left Olin Hall. His continuing interest in the fate and fortunes of chemical and metallurgical engineering alumni is well documented.

"Dusty" Rhodes produced generations of talented chemical engineers. He was a positive inspiration for others, nonengineers, who took his courses. (The Nobel Prize-winning physicist, I.I. Rabi, attributes his making up his mind to become a scientist to Rhodes' chemistry lectures.) He was a negative, or reverse inspiration, for he was the catalyst which produced a large number of successful Cornellians in nonchemical engineering professions by informing them, in that less-than-subtle Rhodesian manner, of two things — they'd never make it as chemical engineers, and perhaps they should pursue their goals in another profession.

Generations of Cornellians have told and will continue to tell "Dusty" Rhodes stories. Some are filled with humor and humanity, some with a tinge of fear and bitterness, all with respect. There are the stories of the

poker games, the proceeds of which went to student loans; of the Rhodes-mandated school tie "designed to look bad with any article of clothing"; and of the trembling while waiting in long corridor lines in the southwest corner of Olin to discuss a 37 average in thoughts and prayers go out to his chemistry. In all of this, there was a family.

pride, a pride in being a "Rhodes scholar." If you made it you knew you were good.

"Dusty" Rhodes brought prestige to Cornell, to Cornellians, and to Cornell chemical engineers. His University mourns his death and our lines in the southwest corner of Olin to discuss a 37 average in thoughts and prayers go out to his chemistry. In all of this, there was a family.

Collegium Musicum To Present Concert

Medieval and Renaissance Christmas music will be presented in concert by the Cornell Collegium Musicum at 4 p.m. Sunday, Dec. 19, at Barnes Hall Auditorium.

Included on the program are several choral and instrumental works by Michael Praetorius (1571-1621), including "In Dulci Jubilo" and "Von Himmel Hoch," as well as a selection of 15th century English carols and works by Lionel Power (d.

1445), Glogauer Liederbuch (late 15th century) and Jean Mouton (d. 1522).

The instruments to be used in the concert include recorders, handbells and the krummhorn, a double-reeded wind instrument.

The Collegium Musicum, a group devoted to the performance of 15th and 16th century music, is conducted by Jeff Rehbach.

Javanese Gamelan To Perform Friday

Javanese musician Sumarsam and two of his students from the World Music Program at Wesleyan University will join the Cornell Gamelan Ensemble for an evening of Javanese music at 8:15 p.m. Friday, Dec. 17, at Barnes Hall Auditorium. The free concert, sponsored by Cornell's Southeast Asia Program and Department of Music, is open to the public.

The Javanese gamelan is a musical ensemble composed primarily of hanging gongs and metallophones. It is considered one of the most highly developed collections of such instruments, which

also are found in other parts of Southeast Asia. The Dec. 17 concert program will include music for full ensemble as well as several chamber group pieces.

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

The Cornell Gamelan Ensemble is composed of 17 members of the Ithaca community and is directed by Martin Hatch.

Character of America Symposium Topic

A day-long Cornell Community Symposium, with the theme of "The Character of the American Nation," open to all members of the Cornell and Ithaca area community, will be held Saturday, Feb. 12, 1977.

Featuring some of the outstanding academic leaders at the University, the thought-provoking parts of the program are open free of charge to anyone. A special luncheon at Barton Hall will carry a \$4 charge (or may be eaten by students on the Co-op 2000 dining plan as their noon meal that day).

The morning will be given to a plenary session in Bailey Hall, with President Corson presiding, and the main talk by Theodore J. Lowi, the John L. Senior Professor of American Institutions, and with commentaries by Walter LaFeber, the Marie Underhill Noll Professor of American History; Roger Cramton, dean of the Law School; Robert McKersie, dean of the State School of Industrial and Labor Relations, and Joel Silbey, professor of history.

The afternoon will be split up into two sessions, with four panels at each session. The panels will discuss the changing Constitution, conflict and social change, labor and capitalism, the political dimension, technology, foreign policy, social policy and environmental policy and food production.

Details on obtaining tickets will be available after intersession.

All items for publication in the Cornell Chronicle must be submitted to the Chronicle Office, 110 Day Hall, by noon on the Monday preceding publication. Only typewritten information will be accepted. Please note the separate procedure and deadline for Calendar entries, as explained at the end of the Chronicle Calendar on the back page.



Missing Painting

Valued at \$1,700, the acrylic painting above, titled "Junkie" and painted by Barkley Hendricks, has been reported missing from the Music Room at Willard Straight Hall. It is possible it has been missing for some time. Anyone with knowledge of its whereabouts since it left the Straight is asked to call the Detective Division of the Department of Public Safety, 256-5211.

Cornell Sophomore Sends a Letter Home

The Chronicle has run across the don't have to write so much stuff following letter dashed off by a every day. Cornell sophomore to his mother on a December day a few years back.

"Dear Ma,

"It is time, so I see, for my mid-week's effusion which I'll start with the sad news that, through some delusion, you've been led to believe that our Christmas vacation has entirely escaped from war's grim town; through the tortuous depredation. The date of my graveyard I'll shamble down, twixt homecoming, if you remember, is Saturday morn — 21st of December.

"This error corrected, I gracefully turn to the topics of interest, and first you should learn that in spite of the Ithaca weather's contortions (this topic alone might assume large proportions), I now — this is really a subject for prose — am entirely rid of my cold in the nose. My health is restored — I am chipper and brisk, to be brief I'm convinced that it's taking no risk to give to the world — though you never can tell — the astounding report that I'm perfectly well.

"This morning came news of my utter redemption from deepest of gloom, for I got an exemption from any more of those weekly abortions which the English Department deals out in large portions — which is merely to say in a casual way, that I

The author was E.B. White '21. The letter, composed in 1918, appears in "Letters of E.B. White," (collected and edited by Dorothy Lobrano Guth). Published this fall by Harper & Row, the book contains hundreds of letters written between 1908 and 1976 by the former editor of the Cornell Daily Sun and a man who is now considered one of the great writers of our times.

Most lovingly
Sonny"



John T. O'Hagan (left), New York City fire commissioner, and Dr. G. Thomas Shires, surgeon in chief of the New York Hospital and head of the Interim Burn Center, visit with patient in a burn bed equipped with an apollo heat shield. The shield keeps the patient warm and reduces the loss of body fluids.

NYH-CMC Burn Center Has Opened

The Interim Burn Center at The New York Hospital-Cornell Medical Center (525 East 68th Street) officially opened to receive and treat burn victims from the Greater New York Area on Dec. 10.

The Burn Center has a capacity of 24 beds in the intensive care unit, with additional facilities available for less critical cases should a disaster occur. More than 60 nurses are being trained specifically in burn care to staff the center on a 24-hour basis.

Eventually the 24-bed center will be incorporated into an 80-bed center within the proposed 158-bed Hospital for Plastic and Reconstructive Surgery to be built on York

Avenue between 70th and 71st Streets.

Operating the burn center will be a team of specialists, including burn surgeons and nurses, plastic surgeons, occupational therapists, psychologists, psychiatrists, dieticians, nutritionists, infectious-disease experts, social workers and rehabilitation workers. The handling of severely burned patients requires more back-up talent than any other type of medicine.

The Burn Center at The New York Hospital-Cornell Medical Center also will carry on a major research and training program, with the primary objective being to restore a badly burned patient as an active emergency and service zone parking and functioning member of society.

University employees will be allowed to park in all legal parking areas on the Cornell campus during the Christmas holiday period from Friday, Dec. 24, through Sunday, Jan. 2, 1977. There will be no regular on-campus bus service during this period, according to David W. Brown, director of Transportation Services.

In addition, the Traffic Bureau will be closed during those days. Only

Insurance Allocations Increased

The Executive Committee of Cornell's Board of Trustees has approved an allocation of \$244,000 to cover increasing costs of liability and fire insurance. Funds will come from the General Costs Contingency of the endowed colleges at Ithaca.

The action raises the University's budget for fire and liability insurance from \$329,200 approved last January to \$626,200. \$53,000 of the increase is being funded from a reappropriation.

Premium increases have approximately doubled the cost of insurance coverage. The largest single increase is for medical malpractice insurance for the student health program.

Other general contingency fund allocations approved by the trustees were to pay for actuarial services in connection with the Pension Reform Act (ERISA), to amend the budget of the admissions office, and to account for group insurance claims costs which will be recovered later from statutory college tuition. The total of those other allocations was \$53,000.

Campus Life Projects Appropriations Made

The Executive Committee of the Cornell Board of Trustees has appropriated \$27,970 to pay for a number of projects proposed by the Division of Campus Life.

These include improvement of a married-student recreational center at Hasbrouck Apartments, construction of an outdoor basketball court

on North Campus and a bus stop shelter on Jessup Rd., installation of additional blue-light emergency telephones and establishment of a part-time directorship for Interreligious International Ministry.

The appropriation was made from the Campus Life Central Reserve Account at the Executive Committee's monthly meeting Tuesday in New York City. All the projects are expected to be completed or implemented within the next few months.

No Right On Red On Campus

After Jan. 1, 1977, drivers in New York State will be permitted to make right turns on red lights at most intersections—but not on the Cornell campus.

In areas of heavy pedestrian traffic, the change may be waived, and it will be at Cornell, with signs put up noting that right turns on red are still prohibited at • Campus and Central, Garden and Tower, Triphammer Bridge and University Avenue and at the College Ave., Oak Ave. and Cascadilla Drive intersection.

Semitics Department Renamed

The faculty of the College of Arts and Sciences has approved a change of name for the Department of Semitic Languages and Literatures. It was reported to the Executive Committee of the Board

of Trustees meeting Tuesday in New York City.

The department will be known as the Department of Near Eastern Studies. According to the rationale presented to the Arts Faculty, the

name change has been made necessary by "the de facto evolution of the program in the Semitics Department from one concerned primarily with the Semitic languages and literatures of the biblical and post-biblical periods to one which encompasses the broad range of subjects relating to the civilizations of the Near East as a whole."

The newly designated Near Eastern Studies Department offers courses in the languages and literatures of Mesopotamia, Israel and the Islamic world, as well as in the archaeology and history, philosophy and thought, religion and culture of the entire Near Eastern region. Its focus will be on the period from pre-biblical times to the Middle Ages.

"The uniqueness of the subjects stressed in the Near Eastern Studies Department—cuneiform languages and literatures, biblical studies; Near Eastern biblical, Jewish and Islamic history and culture—are essential elements to our understanding of the ancient and Medieval worlds, and by extension, Western Civilization," reads the rationale.

The department will continue to provide the core courses for Cornell's Jewish Studies Program. According to Harry Levin, dean of the College of Arts and Sciences, plans are underway to develop a working relationship between the department and an Israeli university, to provide an opportunity for Cornell students to do archaeological field work in Israel as well as do further work in Hebrew and Arabic language.

Over the next three years, the faculty of the Near Eastern Studies Department will be brought to its full complement of five faculty members plus lecturers to teach introductory languages, and a broad range of course offerings will be introduced.



Corson on Society Of NY Hospital Board

Cornell President Dale R. Corson, chairman of the Joint Administrative Board of The New York Hospital-Cornell Medical Center, has been elected to the board of governors of The Society of the New York Hospital.

"Mr. Corson is the first Cornell president on the board, symbolizing still closer ties between the two principal entities which constitute The New York Hospital-Cornell Medical Center," said Stanley de J.

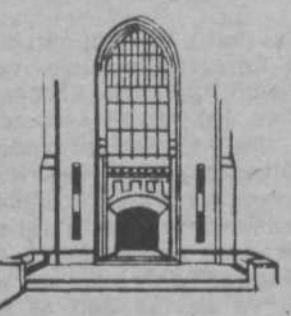
Osborne, board president, who made the announcement today.

Corson, who has served as president of Cornell since 1969, announced last May that he will resign from this office on or before July 1, 1977. He emphasized that among the specific areas that he felt he could make the greatest contributions would be at the Medical Center in New York City. His election to the hospital's board is expected to further strengthen this institution.

Fulkerson Fund Established

Friends of the late D.R. Fulkerson, Maxwell Upson Professor of Engineering and professor of Applied Mathematics and Operations Research prior to his death in January, 1976, are establishing a fund in his memory to be administered by the American Mathematical Society for the purpose of encouraging research in discrete and combinatorial mathematics.

Contributions may be sent to the Delbert Ray Fulkerson Memorial Fund, American Mathematical Society, Box 1571, Providence, RI 02940. For further information, contact L.J. Billera or W.F. Lucas, School of Operations Research and Industrial Engineering, Upson Hall



WILLARD STRAIGHT HALL

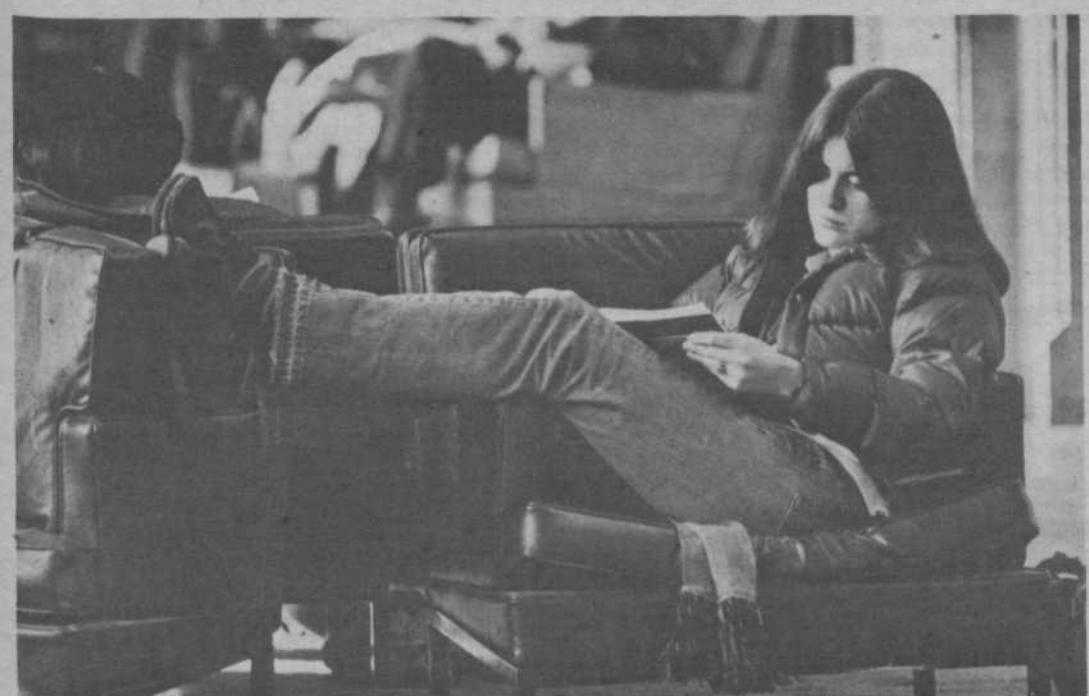
Booking for the Big One . . .



The foot-on-knee technique



The foot-on-foot position



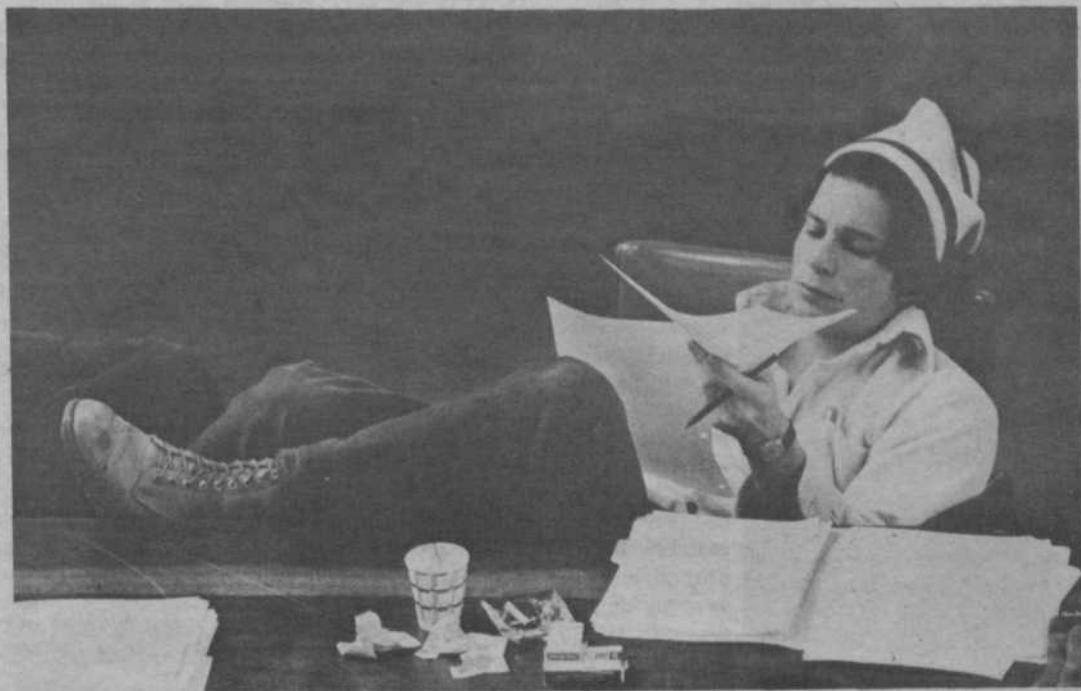
The ankle-on-ankle-on-chair pre-crash



The folded knee syndrome



If the legs come down you simply deflate



The ever-popular leg-on-table sink-in

Bulletin of the Faculty

Report of the FCR Meeting
December 8, 1976, 4:30 P.M., Ives 110

The meeting was called to order by Provost David Knapp, who then proceeded to give a report on some of the longer range major issues facing Cornell in the really not-so-distant future. The text of his report appears in this issue of the *Chronicle*. In winding up his remarks, he hoped that he had conveyed some sense of the concerns and the activity engendered thereby — activity broadly based in the faculty, the colleges, and the central administration — activity that may somewhat alleviate difficulties confronting us as we move into the critical period ahead.

Following acceptance of the minutes of the previous FCR session, Speaker Cooke recognized the Dean of the Faculty, Byron Saunders. The dean first announced the results of the recent election. Professor Charles Wharton (EE) was elected to the Committee on Research Policies; and to the committee on Minority Education, Professors Sara Blackwell (Comm. Serv. Ed.), Marjorie Devine (Nutr. Sci.), and Thomas Scott (Agron.). (all tenured, non-FCR Faculty), and Professor Donald Graham (Food Sci.) (non-tenured, non-FCR Faculty) were elected. He also announced a new committee made necessary by regulations of the National Institutes of Health regarding research on recombinant DNA.

The recent Watson appearance here on campus, last year's action by the Cambridge city fathers vis-a-vis Harvard, and the general

public discussion, remind us that we are not far removed from the issue. He has thus appointed the required committee which will review and approve our own activities and precautions taken here before any funding will be granted by NIH. Named are: Professors Stuart Brown (Phil.), Roy Chaleff (Plant Breeding), Eugene Dymek (Life Safety), Professors Leon Hepple (Biochem., Molec. Cell Bio.), Leonard Provine (History), Adrian Srb (Genetics), Harry Stimson (Genetics) (chairman), and John Thompson (Bio. Sci.). Vice-president Cooke and Director of Biological Science Richard O'Brien will serve ex-officio, as will the dean himself for a shake-down period. Another biologist will be named later, along with two people from the community-at-large and a representative of health services. Three people from off-campus-Cornell have been named also: Professor Anwar Khan (Seed/Veg. Sci. Geneva) and Drs. Gretchen Darlington (asst. professor Medicine) and Roland Schneckloth (associate dean, Division Off. Res. and Spans. Prog., professor Medicine) of the Medical College.

The dean next expressed his appreciation to those cooperating in the final examination process who, after having had their "illegal" plans pointed out to them, mended their ways and fell into line. Information on our adopted procedures does not seem to get around, or at least absorbed; in the Spring Term Course Roster there have been counted cursorily at least 27 illegally scheduled (measured by our own legislation) classes. What to do? Try to persuade those in error to schedule their courses properly.

In a final point, he urged the FCR membership to read and study the final "60 page" report of the President's Commission on Self-Governance, the report running to rather well over 100 pages! It has been distributed early to the FCR members so it can be discussed meaningfully at the February FCR meeting and, one hopes, (!), voted on at the following FCR meeting in March.

The speaker then recognized the dean for the presentation of four resolutions. The first was to approve the Senate action authorizing the extension of the Seventh Senate for a period of no longer than 60 days. There is no point to going through the exercise and expense of electing a new Senate if it is to be dissolved immediately thereafter. To a question from Professor Silverman as to whether 60 days would be adequate, the dean responded by saying that the 60 days starts on March 1. Adequate time. The resolution passed.

The second resolution concerned the weighty matter of a degree name change in the Master of Engineering Program. The degree, Master of Engineering (Industrial), was approved by the body to be known hereafter as the Master of Engineering (Operations Research and Industrial Engineering) degree. No problem.

Resolutions for two other degree changes were next presented, both originating in the College of Architecture. These had been discussed previously by the Committee on Academic Procedures and Policies. The first came with CAPP approval and the second was merely passed on to the FCR without recommendation. The assembly approved in the vote the change in degree designation for the undergraduate program in City and Regional Planning from that of Bachelor of Fine Arts to that of Bachelor of Science.

Action on the second change, however, was postponed by the body pending receipt of more information from concerned faculties. It was proposed in the resolution presented that the degree designation for the program in the History of Architecture and Urban Development be changed, again away from the Bachelor of Fine Arts, in this instance to that of Bachelor of Arts. Since there was some sentiment that the latter designation should be used exclusively by the Arts College, some discussion ensued.

It was pointed out by Professor Evans that some graduate programs required a degree in

Fine Arts. Would a change in degree name jeopardize participation in such? The rejoinder was that History is already not exactly Fine Arts. Students who might be so involved, however, and who are presently in the works, should obviously be alerted to the change and given a choice. Professor Ankrum suggested that Arts and Sciences be consulted. Dean Saunders allowed as how the Arts College had been notified but had not responded one way or another. Professor Malcolm, while disclaiming his being a spokesman for the Arts College, was surprised by the proposed change. He assumes the program is not to be changed, only the name. However, he takes it that for such a degree, the requirements of the Arts College would need be met. He further presumes that the distribution required by Arts would not be satisfied in the Architecture History program. Professor Fuchs suggested that in fact History is Arts and not Fine Arts and, if we oppose this, that the previous resolution should similarly have been opposed, saving the BS degree for Engineering. But Professor Ankrum pointed out that the BS designation is already spread all over the place in widely differing programs. It is not nearly so clearly delineated as the Bachelor of Arts degree now is. Problems. Professor McLellan doesn't quite see two different programs with the same name. He moved to table (changed to postpone to a later date) action until we have more information. The vote taken approved postponement.

The body then went into Executive session to discuss the Deanship. The dean left and visitors were cleared out, save any faculty members electing to stay. Following the discussion, FCR members voted approval of a motion that Dean Saunders' term of office be extended by one year to July 1, 1978. This would keep him on one year, if he chose, and would still allow him a delayed sabbatical year before his retirement in July 1979.

There being no further business raised, adjournment and a frigid walk out into the night followed.

P.L. Hartman, Secretary

Artificial Joints Fuse to Real Bone

If artificial joints could be installed in humans in such a way that the patient's own bone would grow

into the prosthesis, loosening of the artificial joints — a problem in knee joint replacement surgery — might be prevented, according to Dr. Rudolf (Tass) Dueland, associate professor of orthopedic surgery at the State College of Veterinary Medicine.

Dr. Dueland is part of a team of biomedical researchers investigating bone ingrowth in artificial joints under a Social Rehabilitation Service Grant. Others working on the project are Dr. John Insall (principal investigator) and Dr. Walter Besser of the Hospital for Special Surgery at the New York Hospital-Cornell University Medical Center; Peter Walker, a bioengineer formerly at the Hospital for Special Surgery and now with Codman and Shurtleff, Inc., and Robert Pilliar, a bioengineer in the Department of Metallurgy, Ontario Research Foundation, Canada.

Artificial joints — hips, knees, wrists, ankles, elbows, shoulders, fingers and toes — are installed in humans almost every day at major medical centers throughout the country, offering years of pain-free mobility to arthritis sufferers and others whose joints have been severely damaged. Dr. Dueland explained.

Although there are many designs for joint prostheses, most use a metal on one side of the joint and plastic on the other side, a combination which makes a strong joint that

the body will tolerate and that will move with a minimum of friction.

Dr. Dueland said that most artificial joints are now installed by removing the diseased ends of the bones on both sides of the joint and replacing them with the prostheses. The prostheses extend up into the bones through holes drilled in the marrow and are held in place by a special bone cement that interlocks with the bone in the drilled holes.

For some reason — perhaps because the bone cement, which ini-

tially generates heat, causes some tissue damage in the bone surrounding the prosthesis — the joints materials in 17 sheep — whose sometimes loosen, causing pain, knees are almost identical to the locomotion problems, and the knees of humans — and are at necessity of another operation. Dr. Dueland said.

Dr. Dueland and his colleagues are now testing five different materials that can be placed on the surface of the prosthesis which will be in contact with the bone to determine whether bone will grow into the material to form a better bond. The material provides the best adhesion.

The artificial joints were im-

planted during the past six months

under general anesthesia and the same sterile surgical procedure

that would be used in human joint

surgery and the preliminary results are encouraging. Dr. Dueland said.

The Senate Page

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

NEXT SENATE MEETING: Tues., Jan. 25, 7:30 p.m., 110 Ives Hall

Calendar

THURSDAY, December 16

Campus Life Committee, 4:30 p.m., Senate Office.

BILL NO. & DATE SUB.	ABSTRACT	SPONSOR	COMMITTEE REFERRED TO
G-63 12-1-76	Recommends that funds be allocated to allow Guidance and Testing Center to remain open for 12 months.	C. Murray	Campus Life Comm.
G-64 12-1-76	Adds an Advertising line item for the WSH Inkroom Operation to the budget.	Unions and Facilities, H. Wolfe	Campus Life Comm.,
G-65 12-1-76	Recommends that a grant of \$3,100 from recurring funds be added during fiscal 1978-1979 for Undergraduate Student Activities.	Campus Activities and Organizations	Campus Life Comm.

You Could Hear a Pin Drop During Finals at Barton



Trustees' Executive Committee Meets

The summary journal for the meeting of the Executive Committee of the Board of Trustees of Cornell University that was held Tuesday, Dec. 14, 1976, in New York City follows.

NOTE: This summary journal, as released for publication, does not include confidential items which came before the meeting.

1. University President Dale R. Peterson reported to the Executive Committee on current campus matters.

2. The proceedings of the Joint Administrative Board of the New York Hospital-Cornell Medical Center for Sept. 28, and Oct. 26, 1976, were submitted for information as were the minutes of the Nov. 1976, Buildings and Properties Committee meeting.

3. Vice President for Financial Planning Services Samuel A. Lawrence reported on the status of the 1976-77 budget. The Executive Committee, upon recommendation of the president, approved an allocation of \$244,000 from the General Contingency Fund to meet increased liability and fire insurance coverage. University Provost David Knapp and Vice President Lawrence reviewed with the Executive Committee the status of preparation of the 1976-77 budget. The specifics of the discussion were held confidential.

4. The Executive Committee authorized appropriation, as recommended by the president, of monies to cover research expenses in some Medical College departments. The committee, also upon presidential

recommendation, established the Third Century Fund—Medical College to participate in the Capital Fund with income to be used for the general purposes of the Medical College. This fund was established

to accumulate and capitalize unrestricted gifts being received through the Medical College's Third Century Program.

5. Some \$30,000 was appropriated from the Campus Life Central Reserve Account for seven projects within the Division of Campus Life.

6. The Executive Committee authorized the University administration, as recommended by the president, to proceed with designing the renovation of the Sage College dining facility. Funding recommendations also were approved by the Executive Committee.

7. The University administration was authorized by the Executive Committee to proceed with the initial phase of an operations and maintenance project for all Medical College buildings. Funds were appropriated for this phase and authorization to contract for architectural and engineering services was granted.

8. Also authorized, upon presidential recommendation, was an increase in the Olin Hall quasi-clean room project budget to accommodate the expanded scope of the project.

9. The Executive Committee, as recommended by the president, authorized the administration to convey the land under the Boyce Thompson Institute biological

laboratory and greenhouse facility (now under construction) to the people of the State of New York.

10. The Executive Committee, upon presidential recommendation and with Investment Committee approval, designated some \$2.7 million in funds for withdrawal from the Capital Fund to create the Campus Preservation Fund, an integral funding mechanism for the critical maintenance program authorized in October. Further, the committee authorized Vice President and Chief Investment Officer Robert T. Horn to accomplish these withdrawals in a manner determined by the Investment Committee.

11. The Executive Committee heard a report from Trustee Earl Flansburgh, chairman of the Buildings and Properties Committee.

12. The Executive Committee approved a specific bylaw amendment on University faculty membership and will recommend approval of the period only, was approved. The amendment to the full Board of Trustees. The amendment, a technical one, makes the language concerning voting privileges of professors-at-large and courtesy professors consistent with their being granted these privileges in other bylaw articles.

13. The Executive Committee, upon presidential recommendation, rescinded the transfer tuition policy effective with the start of the spring 1977 term.

14. University Treasurer Arthur H. Peterson was authorized to vote certain University banking accounts, the University's stock in Cornell University Press, Limited, a sub-

sidiary corporation, to elect corporation directors at the upcoming meeting of stockholders.

15. The Executive Committee approved a plan which the president has recommended for custody, control, and safekeeping of the University's noninvestment securities.

16. The president presented a schedule of executive and other administrative officers authorized to execute contracts, deeds and other instruments in writing on behalf of the University. The schedule, effective Jan. 1, 1977, for an interim period only, was approved. The approved schedule enables the University administration to carry on the technical one, makes the language concerning voting privileges of professors-at-large and courtesy professors consistent with their being granted these privileges in other bylaw articles.

17. A plan also was approved to assure proper application of principal and/or income (as appropriate) of endowments and other capital funds held by the University for restricted purposes.

18. The Executive Committee, upon presidential recommendation, approved a change in signators on

as treasurer and signator. Also approved was the authorization for Horn, as treasurer, to assume, also as of Jan. 1, certain responsibilities formerly held by Peterson in the voting of University stock in subsidiary corporations.

19. The administration, upon presidential recommendation, was authorized to establish an account at the Citizens Savings Bank in Ithaca to handle Department of Student Housing security deposits. State law requires that monies deposited or advanced as security for rent must be deposited with a banking organization and the interest (less one per cent) paid to the person making the deposit. This trustee action brings Cornell into conformity with state law on this matter. The bank will process repayment checks directly to the student on University authorization.

20. The Executive Committee elected Arthur H. Peterson Controller Emeritus and Professor of Business Administration Emeritus effective Jan. 1, 1977. Among the other personnel actions recommended by the president which were approved was the election of Eleanor Lundy Rice as University registrar effective Feb. 1, 1977.

21. Thomas Nagel, professor of philosophy at Princeton University, was elected a member of the Advisory College of the College of Arts and Sciences effective June 30, 1977.

22. The Executive Committee approved a departmental name change in the College of Arts and Sciences.

Bulletin Board

Holiday Closings Corrected

Cornell will close for Christmas on Thursday night, Dec. 23, and reopen on Wednesday morning, Dec. 29.

For New Year's, the University will close Thursday night, Dec. 30 and reopen on Monday morning, Jan. 3.

An article in the Cornell Daily Sun incorrectly stated that the University would be closed from Dec. 23 until Jan. 3.

Herbster to Be Speaker

William G. Herbster, Cornell's senior vice president, will speak at a meeting of the Women's Caucus on "Implementation of Affirmative Action" at 12:15 p.m. Tuesday, Dec. 21, in 114 Ives. The meeting is open to the Cornell community.

Flu Immunization Clinic

A final flu immunization clinic has been scheduled for Dec. 19, 1976 at the FBC (Family Bargain Center) Building in the East Hill Plaza from 2 to 6 p.m.

Dr. Kathleen A. Gaffney announced that this clinic will provide the opportunity for a second flu shot for all healthy persons ages 18-24 and high-risk persons ages 3-24. It will also be a last opportunity for persons who did not receive a flu shot in the first round of immunizations to be immunized. Both monovalent and bivalent flu vaccine will be available. Healthy persons ages 18 and up, and persons with chronic diseases ages 3 and up will be immunized.

Ecumenical Christmas

An "Ecumenical Christmas Experience," sponsored by the New Life Community, will be held at 11 a.m. Sunday, Dec. 19, at Sage Chapel.

The New Life Community is a Christian fellowship sponsored by the Wesley Foundation. It is directed by Nelson Reppert, University United Methodist chaplain.

Catlin Memorial Service

A Memorial Service for Jack Catlin, assistant professor of psychology who died Tuesday, Dec. 7, 1976, will be conducted at 12:30 p.m. Tuesday, Dec. 21, in Anabel Taylor Chapel.

Cheese Pack Orders Pickups

The last day to order Food Science Club Holiday Cheese Pack Offer is Friday, Dec. 17. Orders can be picked up Dec. 20 and Dec. 21 in the Dairy Store, Stocking Hall.

Peterson Elected Controller Emeritus

Arthur H. Peterson has been elected controller, emeritus, and professor of business administration, emeritus, effective Jan. 1, 1977. Peterson will retire Dec. 31 as treasurer and chief fiscal officer of the University.

He held many high financial and administrative positions at the University from the time he joined the staff in 1939. He received the M.A. degree from Cornell in 1934.

Rural Development Projects Discussed

A working agreement has been made between Cornell University and the Inter-American Institute of Agricultural Sciences (IICA), opening the possibility for joint projects for rural development in Latin American and the Caribbean areas.

Cornell officials including Provost David C. Knapp, W. Keith Kennedy, dean, College of Agriculture and Life Sciences, and Milton Esman, director of Cornell's Center for International Studies, met with IICA Director Jose Emilio Araujo here last week.

IICA, which operates the Tropical Agricultural Research Center in Turrialba, Costa Rica, has offices in 25 Latin American and Caribbean countries. IICA has a staff of 170 specialists in agronomy, law, on his visit here last week.

Academic Funding New Awards

The Office of Academic Funding announced the following new grants and contracts for sponsored programs for the Ithaca and Geneva units of the University. This list does not include renewals or continuations.

Project Director	Department	Title	Sponsor	Amount	Period
Aist, J.R.	PLANT PATH	The Role Of Wound Appositions In Disease Resistance Of Plants	NSF	21,045	12 mos.
Allee, D.J.	AG ECON	The Political Economy Of Irrigation Development	ROCKEFELLER	2,500	12 mos.
Bartel, D.L.	MECH & AERO	Rehabilitation Engineering Project	BURKE	17,815	18 mos.
Bauer, S.H.	CHEM	Laser Augmented Reaction Rates	ARMY	34,600	12 mos.
Cassarett, A.P.	GRAD SCHOOL	Fulbright Hays Doctoral Dissertation Support: 1975-76	EDUCATION	40,886	18 mos.
Cassarett, A.P.	GRAD SCHOOL	Foreign Language & Area Studies Fellowships	EDUCATION	232,515	12 mos.
Chapman, L.D.	AG ECON	Microeconomic Forecasts Of U.S. Energy Demand	NAT RES COUNCIL	16,828	5 mos.
Clausen, R.T.	GENETICS	Sedum Of The Mexican Plateau And Adjacent Mountains	NSF	16,236	12 mos.
Eastman, L.F.	ELECT ENG	Study Of Growth Of Gaas Over Large Area For Fetsis	LOCKHEED	13,864	4 mos.
Fadale, L.E.	EDUCATION	Impact On Developmental Studies In Vocational Education	NYS	31,460	12 mos.
Farris, C.J.	HUMEC	In-Service Course For Increasing Teachers Ability to Use HE Curriculum	NYS	7,600	9 mos.
Fessenden-Raden, J.M.	VICE PROV.	Mary Donlon Alger Conference	ASSOC. UNIV. GOVN BOARDS	7,500	6 mos.
Gibson, E.J.	PSYCH	The Development Of Perception Of Invariance Of Objects And Events	NSF	72,263	9 mos.
Harriott, P.	CHEM ENG	Regeneration Of Powdered Active Carbon In A Fluidized Bed	NSF	56,872	24 mos.
Harvit, M.O.	CRSR	Gravitational Time Delay In Orthogonally Polarized Radiation	NASA	19,980	12 mos.
Houck, J.R.	CRSR	Infrared Astronomy Satellite (Iras) Project Science Team Member	NASA	4,020	2 mos.
Houpt, K.A.	AGR	The Role Of Olfaction And Taste In Canine Food Pref.	GENERAL FOODS	45,000	12 mos.
Hutchens, R.M.	ILR	Evaluation Of Adequacy Of NYS Welfare Benefits	NYS	3,840	6 mos.
Idzerda, S.J.	LIBRARIES	Lafayette And The Age Of The American Revolution	ROCKEFELLER	17,200	16 mos.
Johnson, S.P.	COOPEXT	Migrant Student Record Transfer System	NYS	44,179	9 mos.
Kohlstedt, D.	MAT SCI & ENG	Effects Of Pressure And Water On Creep Strength Of Olivine	NSF	50,116	24 mos.
Ku, W.H.	ELECT ENG	Basic Agreement For RADC Postdoc Program	SYRACUSE UNIV.	27,771	6 mos.
Liggett, J.A.	CIV & ENVE	Finite Element Approach To The Pollution Analysis Of Lakes	NSF	131,481	24 mos.
MacDonald, R.E.	BIOCHEM	Light-Induced Amino Acid Transport	NSF	52,767	24 mos.
McCarty, R.E.	BIOCHEM	Hydrogen Ion Gradients And Coupling Factor 1 In Photophosphorylation	NSF	43,566	12 mos.
McLafferty, F.W.	CHEM	Improvements To Probability Based Matching For Unknown Mass Spectra	EPA	50,844	12 mos.
Miller, J.G.	LIBRARIES	Memorandum Of Agreement	LIB OF CONGRESS	10,000	5 mos.
Mills, E.L.	NAT RES	Preliminary Study Of Primary And Secondary Prod. Of St. Lawrence River	INTERIOR	9,809	5 mos.
Oliver, J.E.	GEO SCI	Recent Vertical Movement Of Crust In And Geological Information	INTERIOR	24,500	12 mos.
Prabhu, N.U.	OPER RES	1976-1977 USSR Exchange Student	IREX	3,340	8 mos.
Rao, M.A.	GENEVA	Comp. Study Of Energy Consumption	AMER FROZEN FOOD INST	2,860	12 mos.
Rhodes, K.	HUMEC	Development Of Criteria For Establish Training Inst. For HE Staff	UN	8,000	12 mos.
Roelofs, W.L.	GENEVA	Strategy Of Insect Control Using Mating Disruption	EPA	50,244	12 mos.
Sienko, M.J.	CHEM	Fellowship For Andrejs Lusis Of USSR	IREX	3,340	9 mos.
Stein, S.W.	ARCH	National Trust For Historic Preservation From Planning Perspective	GSA	5,160	5 mos.
Trice, H.M.	ILR	Eastern Area Alcohol Education & Training Program	EAAE&T	800	12 mos.
Turcotte, D.L.	GEO SCI	Fellowship Program In Economic Geology	EDUCATION	40,000	12 mos.
Zuidema, L.	INT AGR DEV	Peace Corps At Cornell For Recruitment In Agriculture	ACTION	9,400	18 mos.
Minor, R.R.	VET	Factors In Lang Development	NIH	80,458	12 mos.
Sisler, D.G.	AG ECON	Transportation And Structure Of Regional Development In Nepal	ROCKEFELLER	9,999	12 mos.
Long, F.A.	CIS	Comparative Study Of Governmental Structures For Acquisition Of Technology	JOHNSON FDN	5,000	6 mos.

Knapp Discusses University Future

Continued from Page 2

"stretch-out" in taking the reduction in faculty size over a longer period of time — taking it over a five-year period as opposed to a three-year period.

The results in the last two years indicate that there has been a slowing of new faculty coming into the University. But in 1975-76 and 1976-77 we still had 140 new faculty appointments. 100 of these at the assistant professor level. We have also made a number of senior-level appointments at the professorial level, some of them to named chairs. The people filling these appointments are coming here from points as far east as Leningrad and as far west as Berkeley.

So, there is a continuous infusion of new strength within the University. At a slower rate, it's true; nevertheless an infusion.

Another area of activity which relates to the reputation of the University as a center of scholarship and learning flows from recommendations in the Priorities Study, that we should maintain a continuous review and evaluation of various academic programs. One recommendation was concerned with the review of centers and independent programs. Seven centers and programs have been reviewed in the past three years. One has been eliminated; one has been basically changed in organization and program; two have been consolidated into one. We have also placed some seed money in one special program, the Council on the Creative and Performing Arts to encourage the development of their program.

Another kind of review has been taking place in the colleges and schools and at the graduate level. We have had three external accrediting visits in the last two years, and there have been reviews of eight or nine PhD programs by teams visiting the campus. A number of special reviews have been organized by the deans of the colleges or faculties within the colleges to look at special programs, and we have also had some internal reviews, such as the Task Force on the Social Sciences as part of the Priorities Study.

The evaluations which have come from these studies have been influential in the senior level appointments which I mentioned earlier. Each is designed to add strength to programs over which there has been some concern. The evaluations have also figured prominently in annual budgeting decisions and in the Cornell Campaign for \$230 million. Out of the study of the Task Force on the Social Sciences we have made a modest beginning toward developing greater coordination among the social sciences through the appointment of coordinating committees last spring.

A third major concern with respect to the University's status as a center of scholarship and learning is, of course, the library. There has been considerable focus on the library in the past year. I know of no way to solve the acquisitions problem easily. Every university sees

it as an area of growing cost as well as a growing volume of acquisitions. In budgeting for 1977-78 we have given special attention to the acquisitions budget. The solution to the problem of acquisitions over the long run, however, is greater cooperation among universities, and we have had some very preliminary explorations this fall with the Research Library Group, including Harvard, Yale, Columbia and the research library of the New York Public Library. There are signs that if we join this Group — if they let us in as well as if we want to go — there are possibilities for addressing some of our major acquisitions problems.

A related problem within the University Library system is space. We're running out of space; in some areas we have already run out of space. I hope that by January we will have come to a definitive conclusion on how to deal with off-campus storage as one part of the solution of the library space problem.

Another major overall area, the quality of undergraduate education, is a complex one to analyze. There is no one single factor which determines the quality of undergraduate education. But it is impressive to see the array of activity related to improving quality within the colleges. One element that affects quality, of course, is the curriculum. Within the last two years a number of curricular modifications were made in the School of Industrial and Labor Relations. The department of architecture has been examining its curriculum, its staffing, and its student numbers during this fall semester. A major study by a committee chaired by Professor Lowi is in process in the Arts College with respect to liberal education. The report of the Lowi Committee should be of concern not only to the Arts College, but to the whole University, since the recommendations will have an impact on how the University functions in liberal studies generally.

In the two colleges which enroll 50 per cent of the undergraduate students — Arts and Sciences and Agriculture and Life Sciences — committees have been looking at the quality of instruction: in the College of Arts and Sciences the Holcomb Committee on the quality of instruction, and in Agriculture and Life Sciences the Committee on Scholarship and Teaching. The reports of both committees are comprehensive, and deserve the attention not only of their own colleges but of the University faculty generally. They address a number of problems related to undergraduate education, classroom teaching, and particularly recognition of the importance of the teaching assistant — the well-trained teaching assistant — within the University.

Another aspect which affects the quality of undergraduate education is faculty/student relationships outside the classroom. In several of the colleges there have been reviews of the advisory system. Recommendations have been forthcoming with respect to potential and possible

changes in the advisory system of a number of the units. The problem of grading classrooms. We are advising emerges also in the remodeling of the financial aid office in relationship of faculty to students order to give one of the most sensitive counseling areas the kind of on campus. This is a problem of physical space and relationship cross-college cooperation and which it needs. We are also about to University-wide thinking on the subject.

There have been several developments in this area: the institution this year of a Library Instruction Program, seeking to bring the library resources more closely in tune with a number of aspects of the instructional program; since October three task groups have been looking at areas of educational resources,

career development, and personal development, and the interrelationship of central resources and college resources for developing a student support system. This area has been discussed on campus for at least 10 years; it's probably our most studied, most reported on area. It's our hope that when these task groups report in March we will have some plans of action for change which can lead us more effectively into the future.

Another area with respect to faculty/student relationships out of the classroom and services available to students has been in minority education, and this has been a major concern in the reorganization programs.

An additional element affecting the quality of undergraduate education is something I can only call "civility on the campus," civility both in its human and its physical aspects. There has been some real concern in a number of offices about how we can develop greater courtesy — courtesy in visitor contacts, courtesy in providing services to faculty and students. There has also been concern in several central offices with respect to red tape. One of the major considerations in the development of the Affirmative Action Plan is to get affirmative action with a minimum of red tape. Another area is the coordination of information and reference services on campus, both for visitors and for faculty and students. There is also concern in several central offices with respect to red tape. One of the major considerations in the development of the Affirmative Action Plan is to get affirmative action with a minimum of red tape.

Another factor which clearly relates to quality is the cost of undergraduate education at Cornell. Contrary to some views, this has been a basic factor in annual budgeting over the last several years as a major effort has gone into keeping the rate of increase of tuition in bounds. Compared with some of our

peer institutions we've been pretty successful in doing so. This morning as I was coming back from New York City it occurred to me that the undergraduate education that I paid for 30 years ago was, in total, for four years, 40 per cent of the cost of one year of undergraduate education at Cornell today. That's a frightening kind of figure. I would offset it partly however, by remembering what my beginning salary was when I got out of college: \$2,268 a year. Most of our students today, as they graduate, expect at least a beginning salary of somewhere between \$9,000 and \$10,000.

We face very real problems in tuition levels and the impact of tuition upon parent and student interest in institutions. We have instituted within the last several years a number of studies trying to trace the impact of increasing costs. Vice President Cooke and Dean Dickason are following this. We are part of a national group which is also trying to make assessments. And, we are trying to develop the best data which will show us the relationship between cost and educational opportunity, and student and family interest in institutions like Cornell.

The basic problem that we face here, however, is a fairly simple one: Tuition has a fundamental relationship to cost. When costs go up, tuition goes up as well. It's not a problem we can ignore. It's one we are not ignoring and it has had more intense discussion than any other subject in budget planning in the last several years.

It is clear to me that there are no instantaneous solutions to many of the problems we face. There are never instantaneous solutions in the academic world. I've heard this fall, for example, that the Harvard Library System, after 25 years of deliberation, has decided to go into the Library of Congress Classification System. And that's about the rate of change on a lot of major issues.

A major effort must go into a determination of the appropriate size of the University as we look at the diminishing pool of students. A second major area of concern is with financial aid policy and the proportion of the University budget which will go into financial aid; the kind of financial aid policy we should have and how we are going to address the attraction of students in relationship to financial aid in the decade ahead. I expect to appoint a special committee in January, drawing upon other committees which exist already, to make recommendations on such financial aid issues.

I hope that this summary gives you the sense, as it does me, that there is a large amount of current activity dealing with central concerns of the University and the future of the University. It's a broad-based effort. It involves faculty, it involves the colleges, it involves the central administration. That such activity exists augurs well for our beginning effort to move with strength into what looks like a critical period ahead.

Fitness Class Open To 'Teagle Members'

A physical fitness class is now underway for Cornell faculty, staff and alumni who pay an annual fee for the use of Teagle Hall facilities.

The class will continue through spring vacation in April and is still open to eligible "Teagle members."

Cornell's head trainer, Tom McGory, is in charge of the program which meets on Mondays, Wednesdays and Fridays from 12:15 to

12:45 p.m. in the wrestling room in Teagle.

Following the class, all facilities in Teagle are available until 1:30 p.m. Members of the class are encouraged to use the pools, gymnasium, weight rooms and steam room.

For further information, contact George Patte, ext. 6-4286.

Calendar

December 16-January 27

*Admission charged.

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

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

Thursday, December 16

12:15 p.m. Catholic Mass. All welcome. Anabel Taylor G-19.
4 p.m. Open reading — Prose & Poetry. Temple of Zeus. Goldwin Smith.

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

8 p.m. Cornell Folk Song Club "SING." Free. Straight North Room.

Friday, December 17

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

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

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

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

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

7 p.m. Pentangle II Free Film Series: "Adventures of Juan Quinquin" (Espinosa, Cuba, 1967); short: "Oh Dem Watermelons" (Nelson, U.S., 1965). Uris Auditorium.

7 & 9:15 p.m. Cornell Cinema presents: "Casablanca." Attendance limited. Statler Auditorium.

8:15 p.m. Department of Music and Cornell Southeast Asia Program present Cornell Gamelan. Martin Hatch, director. Visiting artist: Sumarsam performing chamber music from Central Java. Barnes Hall.

9:30 p.m. Cornell Cinema presents: "Thousands Clowns." Attendance limited. Late Nite Series. Uris Auditorium.

Saturday, December 18

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

7 p.m. Ithaca High School Music Department Annual Winter Concert. Bailey Hall.

7 & 9:15 p.m. Cornell Cinema presents: "Play It Again, Sam." Attendance limited. Uris Auditorium.

7 & 9:15 p.m. Cornell Cinema presents: "Casablanaca." Attendance limited. Statler Auditorium.

11 p.m. Cornell Cinema presents: "Thousands Clowns." Attendance limited. Late Nite Series. Uris Auditorium.

Sunday, December 19

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 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. Ecumenical Christmas Celebration led by Nelson Reppert, director of the Wesley Foundation and by the New Life Community at Cornell.

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

2 p.m. Fingerlakes Runners Club Registration. First indoor meet starting at 2:30 p.m. Barton Hall.

4 p.m. Department of Music Concert: Collegium Musicum. Jeffrey Rehbach, director. Christmas Music of the Middle Ages and Renaissance including Gregorian chant, English carols, and works of Smert, Burck, Power, Mouton and Praetorius. Barnes Hall.

8 p.m. Cornell Cinema presents: "Ballad of Cable Hogue." Attendance limited. Westerns Series. Uris Auditorium.

Monday, December 20

9 p.m. Cornell Cinema presents: "Empress Yang Kwei Fei." Film Club Members only. Uris Auditorium.

Tuesday, December 21

8 p.m. Cornell Cinema presents: "The African Queen." Attendance limited. Katherine Hepburn Series. Uris Auditorium.

12:15 p.m. Cornell Women's Caucus. Guest speaker: William Herster. Ives 114.

Friday, December 24

4 p.m. Episcopal Church Worship Service. Anabel Taylor Chapel.

7 p.m. Christmas Family Mass. All welcome. Anabel Taylor Auditorium. Midnight Mass. All welcome. Anabel Taylor Chapel.

Monday, January 3

8 p.m. Cornell Varsity Basketball-Syracuse. Barton Hall.

Tuesday, January 4

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

Saturday, January 8

7:30 p.m. Cornell Varsity Hockey-Boston Univ. Lynah Rink.

Wednesday, January 12

5:45 p.m. Cornell Freshman Basketball-Bucknell. Barton.

8 p.m. Cornell Varsity Basketball-Bucknell. Barton.

Saturday, January 15

12 noon Cornell Invitational. Indoor track. Barton Hall.

2 p.m. Cornell Fencing-Yale. Teagle Hall.

2 p.m. Cornell Women's Fencing-Yale. Helen Newman

Monday, January 17

7:30 p.m. Cornell Wrestling-Franklin & Marshall. Barton.

Tuesday, January 18

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

8 p.m. Cornell Varsity Basketball-RPI. Barton Hall.

Wednesday, January 19

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

Friday, January 21

5:45 p.m. Cornell Freshman Basketball-Hobart. Barton.

8 p.m. Cornell Varsity Basketball-Columbia. Barton.

Saturday, January 22

2 p.m. Cornell Fencing-Columbia. Teagle Hall.

5:45 p.m. Cornell Freshman Basketball-Oneonta. Barton.

8 p.m. Cornell Varsity Basketball-Fordham. Barton.

Sunday, January 23

2 p.m. Cornell Gymnastics-Syracuse. Barton Hall.

Tuesday, January 25

4 p.m. Cornell Women's Bowling-Oswego. Helen Newman.

7 p.m. Cornell Women's Swimming-Bucknell. Helen Newman.

7:30 p.m. Senate meeting. Ives 110.

Wednesday, January 26

4 p.m. Cornell Swimming-Bucknell. Teagle Hall.

4 p.m. Cornell Fencing-Buffalo. Teagle.

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

Thursday, January 27

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

EXHIBITS

Herbert F. Johnson Museum of Art: The complete etchings of Samuel Palmer, through Dec. 23.

Richards Ruben, recent paintings, through Dec. 23.

Canadian Landscapes, through Dec. 23.

Jacques Callot's prints, through Dec. 23.

Cornell Club of New York Gallery, 155 E. 50th St., NYC: Lois Shapiro and France Lieber are presenting an exhibition of major paintings, hand-signed etchings, lithographs, and serigraphs. Free admission. Open daily 10 a.m. to 8 p.m.; through Jan. 1, 1977.

Olin Library: "Cornell University Press Books and Early Ithaca Imprints." A brief history of the first university press founded in America together with a selection of books published in Ithaca before 1850.

Catholic Masses

Saturday, December 18

9 p.m. Pre-Christmas Party, sponsored by the Cornell Catholic

Community. One World Room, Anabel Taylor.

11 p.m. Special Christmas Mass. One World Room, Anabel Taylor.

Monday, December 20

12:15 p.m. Anabel Taylor G-19.

Tuesday, December 21

12:15 p.m. Anabel Taylor G-19.

Wednesday, December 22

12:15 p.m. Anabel Taylor G-19.

Thursday, December 23

12:15 p.m. Anabel Taylor G-19.

8 p.m. Communal Penance Service. Anabel Taylor Chapel.

Friday, December 24

7:15 p.m. Christmas Family Mass. Anabel Taylor Auditorium.

Saturday, December 25

Midnight Christmas Mass. Anabel Taylor Chapel. Buffet will follow Mass.

Sunday, December 26

9:30 & 11 a.m. Anabel Taylor Auditorium.

Saturday, January 1

5:15 p.m. Anabel Taylor Auditorium.

Sunday, January 2

9:30 & 11 a.m. Anabel Taylor Auditorium.

Saturday, January 8

5:15 p.m. Anabel Taylor Auditorium.

Sunday, January 9

9:30 & 11 a.m. Anabel Taylor Auditorium.

Saturday, January 15

5:15 p.m. Anabel Taylor Auditorium.

Sunday, January 16

9:30 & 11 a.m. Anabel Taylor Auditorium.

Saturday, January 22

5:15 & 10 p.m. Anabel Taylor Auditorium.

Sunday, January 23

9:30 & 11 a.m. Anabel Taylor Auditorium.

12:30 & 5 p.m. Anabel Taylor Auditorium.

Monday, January 24

12:15 p.m. Anabel Taylor G-19.

5:15 p.m. Anabel Taylor G-19.

Tuesday, January 25

5:15 p.m. Anabel Taylor G-19.

Wednesday, January 26

12:15 p.m. Anabel Taylor G-19.

Thursday, January 27

12:15 p.m. Anabel Taylor G-19.

Sage Notes

From the Graduate School

Applications for fellowships for continuing graduate students are now available in the Fellowship Office, 116 Sage Graduate Center. Deadline for submission of completed applications is Feb. 1, 1977.

Applications for National Defense Foreign Language Fellowship (NDEA Title VII) are now available in the Fellowship Office, 116 Sage Graduate Center. Deadline for submission of completed applications is Feb. 1, 1977.

All theses submitted now should be dated with the conferral date, January 1977. Ph.D. candidates should make sure their abstracts are dated 1977. The deadline date for completion of degree requirements for January conferral is Jan. 7, 1977. Students should allow plenty of time for meeting all requirements, since no extension of this deadline will be given. Any theses submitted to the Graduate School after Jan. 7, 1977, should be dated May 1977.



Special Seminars

Agriculture and Life Sciences

POULTRY BIOLOGY: "Sexual Imprinting in Mice," Debra Kirchhof-Glazier, 4:15 p.m., Thursday, Dec. 16, Rice 300.

Arts and Sciences

CHEMISTRY: "New Compounds with Molybdenum-Tungsten Triple Bonds," M.H. Chisholm, Princeton University, 4:40 p.m., Thursday, Dec. 16, Baker 119.

Biological Sciences

BIOCHEMISTRY: "Nucleotide Sequences that Govern Initiation of Protein Synthesis: Comparison Between Eukaryotes and Prokaryotes," F.G. Sherman, University of Rochester, 4:30 p.m., Friday, Dec. 17, Stocking 204.

BIOCHEMISTRY: "On the Mechanism of Horseradish Peroxidase," Nava Epstein, 12:20 p.m., Monday, Dec. 20, Wing Hall Library.

NEUROBIOLOGY & BEHAVIOR: "The Reaction of Bats to the Ultrasonic Clicks of Peacock Butterflies: An Acoustic 'Eyespot,'" Lee A. Miller, Odense University, Denmark, 12:30 p.m., Thursday, Dec. 16, Langmuir Penthouse.

Centers and Programs

APPLIED MATHEMATICS: "Superapproximation in the Finite Element Method," Vidar Thomée, Chalmers University of Technology, Sweden, 4:30 p.m., Friday, Dec. 17, Olin Hall 165.