



## Despite Cold, University Cuts Energy Use

Cornell cut energy consumption by 3.5 percent during the first half of the current fiscal year. It made the cut even though the weather was 3.9 percent colder than last year and campus facilities had grown by some 160,000 square feet.

However, despite the cutback in energy consumption (heat and electricity), the energy bill from July through December 1978 was still up: some \$118,000 over the comparable period in 1977.

According to Robert H. Clawson, the University's energy conservation officer, the increased costs are almost entirely due to the 9 percent increase in electricity rates from 1977 to 1978.

Clawson said the University was able to offset the increased electric rates considerably by using more coal for producing heat than it has in the recent past.

As it was, the University paid \$3,020,000 for heat and electricity from July through December 1978 compared to \$2,902,000 for the same period in 1977.

The actual dollars spent for heating fuel were cut 5.8 percent, a \$72,000 decrease in cost of fuel. The total in 1977 was \$1,241,000; in 1978 it was \$1,169,000.

Despite the colder weather and growth in facilities, the University produced 5.6 percent less heat in July to December 1978 than it did in July to December 1977.

This energy conservation, Clawson said, was a direct reflection of cooperation by the Cornell community. In addition costs were cut as a result of more efficient production of heat due to some \$5 million in improvements at the heating plant

over the past three years.

While the demand for heat was cut significantly, the demand for electricity went up 2.7 percent. This is attributable to the completion of several new facilities: Boyce Thompson Institute and additions to Malott

Hall and Wing Hall, Clawson said.

Clawson said February was the coldest month recorded in the last 100 years here and was 6 percent colder than last year. This year to date, July through February, was 3 percent colder

than the same period during 1977-78, he said.

At the current rate, this year could end up being one of the coldest in terms of degree days since such records have been kept by the University.



### 'He Stoops to Conquer' —Variation on Oliver Goldsmith

'O! that this too, too solid flesh would melt...and resolve itself into....' (With apologies to Hamlet, William Shakespeare, Frank Rhodes and the cow, who was having a quiet visit to the Straight for Ag Day Monday until the Cornell president stopped in to show the city kids how easy it is to get milk from one of these things.)

## Searches Under Way for Judicial Officers

April 2 is the deadline for submitting applications to three search committees seeking nominees for the university positions of ombudsman, judicial administrator and judicial advisor.

President Frank Rhodes will be making appointments to these positions this spring for two-year terms each starting July 1.

Persons interested in applying for any of these posts should submit an application letter and resume with a local address and

telephone number. Also the committees ask members of the Cornell community to submit the names of persons they consider potential nominees for any of these posts.

Applications for ombudsman should be sent to Jennifer Gerner, assistant professor of consumer economics, 137 Martha Van Rensselaer Hall; for judicial administrator, to the Office of the Dean of Students, 103 Barnes Hall; and for judicial advisor, to Michael F. Schub, assis-

tant professor of Near Eastern Studies, 165 Rockefeller Hall.

The committees state that "those who feel qualified and interested, but who are reticent about declaring themselves to be candidates on the strength of present knowledge, are encouraged to telephone the chairmen and to discuss the matter with them personally. Such inquiries will be held in confidence at the caller's request."

In addition to Gerner and

Schub, the third committee chairman is Stephen C. Green, ILR '79. He heads the judicial administrator search committee and may be reached at 273-3495.

The Ombudsman should be selected from the university faculty, and should be a tenured Member of the faculty, according to the Ombudsman search committee, which states:

"In the committee's view, a fair-minded person, inclined to seek objective advice on legal-

istic questions and notably sensitive to the whole range of campus problems, would be most effective as University Ombudsman. Members of the committee are convinced that the University Ombudsman plays a delicate but crucial role in setting the tone of relationships between people and the administrative apparatus of Cornell."

The judicial administrator processes complaints under the Campus Codes, including crimi-

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## Congressman Learns from 'Crusty Academics'

"Is it possible for a congressman to learn from crusty academics?"

That question posed by Prof. Richard Rosecrance drew an affirmative answer from Rep. Matthew F. McHugh, who spent Monday listening to and talking to "crusty academics" at Cornell's Center for International Studies in Uris Hall.

"As someone who is involved in the appropriations process, including our military and economic assistance programs, the sessions were particularly valuable," said McHugh, the third-term Democrat from Ithaca who'd requested the day-long meeting. A member of the House Appropriations Committee, McHugh serves on the Foreign Operations and Agriculture and Related Agencies subcommittees.

"The people with whom I met are all experts and their experience and insight are very



With the world as his background, Rep. Matthew McHugh, D. N.Y., discusses foreign policy problems with Cornell faculty. From left: Milton Leitenberg, research associate in the Peace Studies Program; Gary Bombardier, McHugh's legislative aide; McHugh; Milton J. Esman, director of the Center for International Studies; Franklin A. Long, director of the Peace Studies Program, and Richard Rosecrance, the Walter S. Carpenter Professor of International and Comparative Politics.

helpful," he said. "It's a great advantage in my position to have Cornell in my hometown, includ-

ing, as it does, a community of very knowledgeable people upon whose expertise I can draw."

During the day's six sessions, McHugh met with 22 faculty from 16 different departments.

programs and centers at Cornell. He had a luncheon meeting with nine administrators and discussed the University and the federal government.

Topics for the sessions were: Food Policy and Nutrition; Migration; Movement in Asia, Latin America, Europe and the United States; Development Assistance; Arms Control and Arms Sales; A Continuing United States Role in Southeast Asia; China and East Asia; Implications after Normalization.

Rosecrance, the Walter S. Carpenter Jr. Professor of International and Comparative Politics, who participated in the session on arms control and arms sales, said he thought a meeting such as Monday's can work to provide background information to someone like McHugh.

Rosecrance said McHugh expressed the concern that "con-

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# Conference Proposals Offered

The 18 Cornell delegates who attended the Intercollegiate Conference in Philadelphia in late February have scheduled an open hearing to present to the Cornell community a list of recommendations they have formulated concerning academic life at Cornell.

The hearing is scheduled for 7:30 p.m. Wednesday, March

28, in Kaufmann Auditorium, Goldwin Smith Hall.

The purpose of the conference was for delegates from the eight Ivy League schools, along with Stanford and the University of Chicago, to exchange ideas, discuss problems and formulate resolutions to present to their schools.

The recommendations involve

areas such as academics and advising, extracurricular/ athletics, minority affairs, social and political affairs, student government, student life, tuition, financial aid and admissions and women's affairs.

Copies of the full text of recommendations are available at the Campus Council Office, 133 Day Hall.



## Delegation from China

President Frank Rhodes meets Friday with representatives from the People's Republic of China to discuss the possibilities of a student exchange. At right is Walter H. Ku, professor of electrical engineering at Cornell. Visiting Cornell from the Chinese Embassy in Washington, D.C. were (from left) Liu Bang-ting, second secretary in the counsel department; Hsu Chao-hsiang, scientific counsellor at the embassy; and Hu Nan-Sheng, second secretary in the education department. Graduate School Dean Alison Casarett will be attending a meeting over the weekend with representatives from many of this nation's leading institutions of higher education and representatives from China to discuss an exchange program. The Chinese were primarily interested in engineering, agronomy and computer science at Cornell.

# Council Extends Deadlines

Only two employees had filed petitions in the upcoming Campus Council and University Trustee elections as of Monday this week. As a result, the deadline for filing employee petitions has been extended to 4 p.m. Wednesday, March 21. The original deadline was yesterday. Petition forms and other election details may be picked up at the Campus Council Office in 133 Day Hall.

There are two employee seats on the council and one employee

seat on the University Board of Trustees to be filled. Employees will be elected by mail, due in the council office no later than 4 p.m., April 9. The results of the employee elections will be announced April 12.

Student elections will be conducted by machine vote on April 4. As of Monday there were more than 30 petitions out for four council seats and two trustee seats. Results will be announced April 6.

## Meetings 'Closed'

A request that the Cornell Board of Trustees open its meetings will be among the items discussed by trustees when they meet here this weekend. University Counsel Neal R. Stamp, responding to a request from former student trustee Harold Levy that the meetings be open, said that until the board has an opportunity to discuss the matter, the previous policy, that the meetings are not open to the public, will prevail. Levy based

his request on an opinion issued earlier by Robert J. Freeman, executive director of the Committee on Public Access to Records in the New York Department of State. Freeman had said the trustees should open their meetings when they were considering matters pertaining to the statutory colleges or actions on parking and traffic or the appointment of special deputy sheriffs.

## McHugh

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gressmen are very busy. It isn't easy to get them together; they don't have time. How does this kind of perspective get through to people like congressmen who are otherwise very tempted to be impressed by the latest technological thing off the drawing boards."

He said what he thought his fellow faculty in their session with McHugh were trying to "look at the whole range of political and military alternatives, not just at the success of one particular technological system."

Milton J. Esman, director of CIS, who participated in the session on development assistance, said "It's a tribute to our reputation in international studies that a congressman who occupied as important a position in Congress in the foreign affairs area is willing to ask to spend a

whole day with us, being briefed on foreign policy problems.

"I think it means that he respects not only the underlying knowledge we have as scholars, but also the relevance this knowledge has to the problems he has to deal with as a member of the House Appropriations Committee."

Esman said he thought McHugh's visit to Cornell was a comment on "how seriously he takes his job and the kind of advice he looks for in helping to shape his own views on public policy."

McHugh's questions "indicated a very astute understanding of important policy problems and their implications," Esman said. "It was fun for us to deal with someone who is far from being innocent on these subjects; he was very well informed."

# Job Opportunities

The following are regular continuing full-time positions unless otherwise specified. Please do not inquire at individual departments. An equal opportunity employer. Individuals on lay-off status will be given preference in referrals.

(\*) indicates new this week.

## CLERICAL POSITIONS

Chief Acct. Clerk, A-17 (Mat'l Science & Engineering)  
Sr. Admin. Secy., A-17 (Law School)  
Library Asst. IV, A-17 (Univ. Libraries, Law)  
\*Editorial Asst., A-16 (University Press)  
\*Admin. Secy., M-15 (Economics)  
Admin. Secy., A-15 (Government)  
Admin. Secy., A-15 (Appl. & Engr. Physica)  
Admin. Secy., A-15 (Sports Info.-Public Affairs)  
Corr. Secy. II, A-15 (Business & Public Admin.)  
Admin. Secy., A-15 (Lab of Atomic & Solid State Physics)  
Library Asst. II, A-15 (U. Libraries, Olin)  
\*Prin. Clerk, A-14 (Dining Services)  
Prin. Clerk, A-18 (Health Services)  
\*Dept. Secy., A-13 (Ctr. Int'l Studies)  
Dept. Secy., A-1 (Law School)  
\*Dept. Secy., A-13 (University Press)  
Dept. Secy., A-13 (University Press)  
Dept. Secy., A-13 (Geological Sciences)  
Dept. Secy., A-13 (Administrative Programming Svcs.)  
Dept. Secy., A-13 (Computer Science)  
\*Admin. Aide II, NP-12 (Coop. Extension, NYC)  
Admin. Aide II, NP-12 (Coop. Extension, NYC)  
\*Steno III, NP-9 (Coop. Extension, Sea Grant)  
Steno III, NP-9 (Coop. Extension, NYC Programs)  
Acct. Clerk II, NP-9 (Human Ecology Administration)  
Steno III, NP-9 (Education, 9-30-79, probable cont.)  
Admin. Secy., NP-8 (Coop. Ext. Admin., Resource Info Lab)

\*Admin. Secy., NP-8 (Coop. Extension, NYC)  
Admin. Secy., NP-8 (Vet Micro., Baker Institute)  
\*Clerk III, NP-7 (NYSSILR)  
Steno II, NP-6 (Poultry Science)  
\*Steno II, NP-6 (NYSSILR)  
Steno II, NP-6 (Diagnostic Lab)  
\*Trans. Clerk I, NP-6 (DCS - Medical Records)  
Steno II, NP-6 (DCS - Radiology)  
Steno II, NP-6 (Vet Physiology, Biochem. & Pharm.)  
Steno II, NP-6 (Entomology, Geneva)  
Steno II, NP-6 (Rural Sociology)  
Steno II, NP-6 (NYSSILR)  
Steno I, NP-5 (Pomology & Viticulture, Geneva)  
Steno I, NP-5 (Director of Instruction, CALS)  
**SERVICE & MAINTENANCE POSITIONS**  
Professional Chef, CPO5 (Dining Services)  
Farm Manager II, CPO4 (Animal Science)  
Electrician (Maint. & Service Ops., Union)  
Sr. Exp. Machinist, A-21 (Nat'l Astronomy & Ion. Ctr.)  
Head Cook, A-20 Dining Services)  
\*Univ. Svc. Officer, A-17 (Public Safety)  
Cook II, A-17 (Dining Services)  
Mechanician I, A-15 (Residence Life)  
Principal Clerk, A-14 (P.O. Box 2, Barnes)  
Custodian, A-13 (Bldgs. & Grounds Care)(3)  
Custodian, A-13 (Residence Life, W. Campus)  
\*Custodian, A-12 (Bldgs. & Grounds Care)  
Custodian, A-13 (Residence Life)  
Custodian, A-13 (Statler Inn)  
\*Food Svc. Worker, A-11 (Statler Inn)  
Farm Maint. Worker II, NP-9 (Farm Services)  
\*Animal Technician, NP-8 (Sect. of Physiology)  
Field Asst. II, NP-7 (Agronomy, Chazy, NY)  
\*Bldg. Maint. Worker I, NP-7 (Animal Science)  
Janitor, NP-6 (Bldgs. & Grounds Care)  
CRT Operator I, OP-4 (Animal Science)

## TECHNICAL POSITIONS

\*Experimental Technician, A-19 (LNS, Batavia, Ill.)  
Sr. Electronics Tech., A-19 (Computer Services)  
Sr. Life Safety Tech., A-18 (Bad. Safety, LSS)  
Research Aide I, A-14 (Geological Sciences)  
\*Lab Tech. II, NP-11 (Nutritional Sciences)  
Lab Tech. II, NP-11 (Vet Micro., Baker Institute)  
Lab Tech. II, NP-11 (Plant Pathology)  
Fishery Tech., NB-11 (Nat'l Resources, Adirondacks)  
Experimentalist I, NP-11 (Vet Physical Biology)  
\*Res. Tech. II, NP-10 (Vet Pathology)  
Lab Tech. I, NP-8, (Equine Drug Testing, Monticello)  
Sr. Arch. Engr. II, CPO7 (Design & Project Mgmt.)  
Sr. Computer Staff Spec., CPO6 (Computer Services)  
Sr. Res. Supp. Spec., CPO6 (Electrical Engineering)  
Comp. Tech. Admin. III, CPO6 (Computer Services)  
Sr. Computer Staff Spec., CPO6 (Computer Services)  
Comp. Tech. Admin. III, CPO5 (Computer Services)  
Life Safety Svc. Mgr., CPO5 (LSS & Ins.)  
Res. Supp. Spec. III, CPO5 (Elect. Engineering)  
Elect. Engineer II, CPO5 (Design & Project Mgmt.)  
\*Applications Programmer II, CPO4 (Computer Svcs.)  
Res. Supp. Spec. II, CPO4 (Mat'l Science Ctr.)  
Res. Supp. Spec. II, CPO4 (Entomology - Highland)  
Appl. Programmer II, CPO4 (Computer Services)  
Appl. Programmer II, CPO4 (Animal Science)  
Appl. Programmer II, CPO4 (Computer Graphics)  
Comp. Tech. Admi&. I, CPO4 (Computer Services)  
\*Res. Supp. Spec. I, CPO3 (Vet Pathology)  
Res. Supp. Spec. I, CPO3 (Entomology, Geneva)  
Res. Supp. Spec. I, CPO3 (Nat'l Resources, New Paltz)  
Appl. Programmer I, CPO3 (Computer Services)(2)  
Res. Supp. Aide, CPO2 (Chemistry)  
Res. Supp. Aide, CPO2 (Nutritional Sciences)

## ADMINISTRATIVE POSITIONS

Associate Director (University Relations)  
Attending Physician (University Health Services)  
Editor (University Press)  
SDS V, CPO8 (Associate Dean)(Graduate School)  
SDS IV, CPO6 (Human Ecology, Dean's Office)  
Develop. Officer III, CPO7 (University Development)  
Develop. Officer II, CPO6 (University Development)  
Sr. Administrator I, CPO7 (Media Services)  
Dev. Officer II, CPO6 (University Development)  
Assoc. Administrator, CPO6 (Media Services)  
Regional Director II, CPO6 (Public Affairs, West)

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# Beautification Given 'Challenge' Response

More than 100 alumni and friends have responded to a challenge from Presidential Councillor and Trustee Emeritus Harold D. Uris to raise \$25,000 for the beautification of the area between Day and Stimson Halls and for other landscape restoration work on campus.

Uris provided the University with an initial gift of \$25,000 for the Day-Stimson beautification project, which he offered to supplement with an additional \$25,000 if other friends and alumni of the University could match it.

The total contributed in response to Uris's challenge now stands at \$26,768.63, and gifts and pledges are still being received, according to Barlow Ware, development officer in charge of campus beautification.

Significant gifts were received from the Class of 1917 (a planting at the south end of Goldwin Smith Hall in honor of class president John Collyer); the Class of 1939 women (in memory of deceased classmates); the Class of 1949 (a special planting near the south entrance of Willard Straight Hall); the Class of 1959 (added four more oaks to three they had given previously) and the Class of 1962 (which

has included campus beautification among the several university projects it supports). Many individuals, both alumni and friends of Cornell, also have made significant contributions toward meeting the Uris challenge.

Uris' gifts, supplemented by a portion of the matching funds, have enabled the University to take advantage of considerable landscape disruption caused by repairs to steam lines and foundation drains in the Stimson-Day Hall area to improve the area's appearance.

The first phase of the beautification project, which is nearing completion, has created a brick and concrete terrace extending from the Stimson Hall entrance across Tower Road to the entrance of Day Hall, providing level access to both buildings.

New planting beds have been established, and 1,000 tulip bulbs already have been planted by student volunteers. New directory information, lighting, benches and bicycle racks will be installed in the area.

Next summer additional utility repair and road work will be done on the Tower Road Extension between Day and Stimson Halls.

## Special Council Meeting To Consider Fund Needs

The Campus Council will consider requests for more than \$8,000 in operating expenses from two campus organizations at a special council meeting at 4:45 p.m. today in Room 701 Clark Hall. The meeting has been called because of the council's crowded agenda. Its next regular meeting will be Thursday, March 29, in Clark Hall at 4:45 p.m.

A group called Cornell Community Against Rape has submitted a request for \$870 to help finance a proposed program aimed at "making discussion and reporting of rapes more acceptable in the University Community and especially in effecting change in community attitudes toward rape and legal handling of rape cases."

Another group of students has asked the council for about \$7,500 towards a total budget of \$15,805 for annual publication

of a Student Course Evaluation Booklet. A memorandum submitted to the council by Brad Markowitz, Arts '80, states that the eventual goal is to systematically review the courses of each college and distribute the results to students.

At its regular meeting last week, the council pared 18 requests totaling \$41,490 in new programs, from various units of the Division of Campus Life, down to nine requests totaling \$18,475.

Items still in the running for funds include a car pool information program, \$790; Campus Conferences on Religion and Festival of Black Gospel, \$3,000; a graduate assistant for the Alcohol Drug Education Committee, \$3,000; recreation coordinator \$3,450 and student leadership workshop \$1,460.

## Summary Agenda for Weekend's Trustee Meetings

The Board of Trustees will meet Friday and Saturday on campus. The Executive Committee will meet today.

The trustees will hear a report on budget planning for the Medical College for 1979-80 presented by President Frank Rhodes and dean of the Medical College, Dr. Theodore Cooper.

The Executive Committee will be asked to recommend to the board amendment of the University Bylaws changing the designation of "Director of Libraries" to "University Librarian."

Dean of Faculty Kenneth Greisen will present a recommendation for an amendment to the bylaws reinstating voting privileges for ex-officio members of the University Faculty.

The trustees will be asked to approve a recommendation to delete from the University retirement plan the requirement of an annual physical examination for any faculty member whose retirement is postponed beyond the age 65.

Subject to approval of the Committee on the Health Sci-

ences, the Executive Committee will be asked to approve a recommendation to expand the University's protected self-insurance program to include property and liability protection for certain buildings.

The trustees will be asked to approve the establishment within the College of Veterinary Medicine of a Bovine Health Research Center.

The Executive Committee will be asked to confirm a proposal to the U.S. Department of State, Agency for International Development, for an agricultural education development program in Sri Lanka.

Vice President for Research W. Donald Cooke will report the receipt of a grant of \$2,002,000 from the National Science Foundation for the support of the continuation of the operational phase of "Seismic Reflection Profiling to Determine Fine Structure of the Crust and Upper Mantle."

The trustees will be asked to revise the present trustee legislation establishing controls over

## Profile Hollister Has Concrete Ideas

Solomon Cady Hollister, 87, designed the first successful, government-built concrete ships during World War I, paving the way for the construction during World War II of more than 100 concrete ships, 375 feet long and drawing 28 feet of water, that were used in McArthur's campaign and the invasion of Normandy.

A skewed arch bridge, the design of which won him the prestigious Wason Medal of the American Concrete Institute in 1929, is sound and standing in Chester, Pa.

Hollister designed the four 30-foot-diameter penstocks that bring water from the reservoir to the turbines of Hoover Dam. The penstocks were the first large pressure vessel structures to be welded successfully.

As a member of the Second Hoover Commission, he helped formulate proposals for reducing the cost of government by some \$10 billion.

As dean of Cornell University's College of Engineering from 1937 to 1959, he changed the curriculum, increased the size and quality of the faculty and student body, revitalized the college's research effort—and raised money to build 10 new buildings, including one that bears his name.

Still active in the college's high-strength concrete research program, he also works as a consulting engineer, advises graduate students and takes an active role in ACI activities.

For his "profound influence on concrete codes and specifications and for distinguished service as a member and officer" Hollister will receive the American Concrete Institute's highest award, the Henry C. Turner Award, in Milwaukee, Wisc., on March 22.

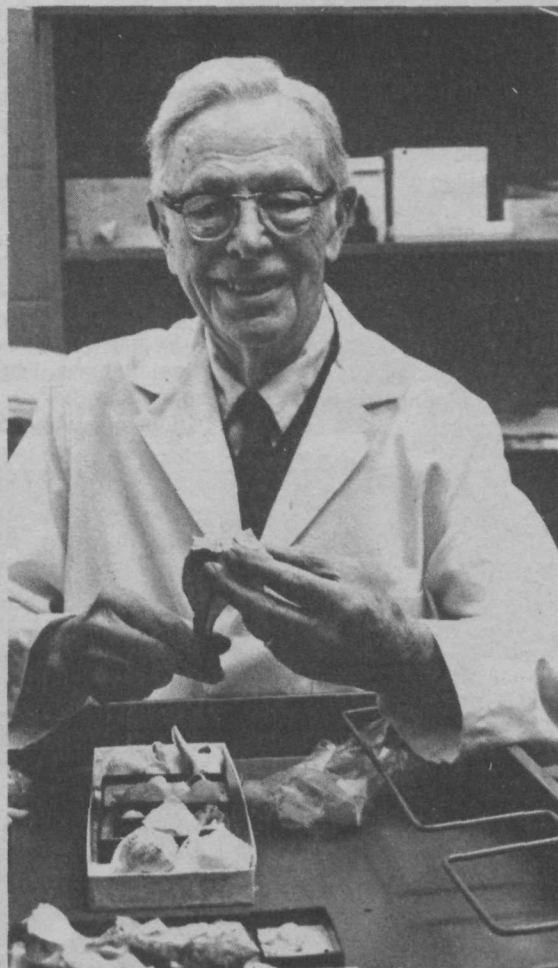
Hollister is particularly proud of his work on setting national design codes that could serve as a model for city codes and for performing the test that validated the usefulness of transit concrete mixers, the truck-mounted rotating mixers that are used at most construction sites.

When the history books are written, however, some say Hollister will be remembered as much for his work on the classification of two genera of fossil shells as for his contributions to engineering and engineering education.

He published a 70-page monograph on living members of the genera in 1958 and is working on another covering extinct species with the help of the Paleontological Research Institute and several museums including the Smithsonian.

Born in a different century than most people alive today, Hollister grew up in a pioneer lumber and mining community amid the sage brush of Washington State. As a boy he had a lot of time to read and think—there wasn't much else to do for amusement, he recalls. Those abilities (along with good parents, he adds, only half-joking) have enabled him to keep pace with engineering developments for nearly 70 years and to make contributions to fields in which he has no formal training.

Hollister is always thinking—about better ways to classify the shells carefully arranged on long tables in his office, about better ways to build things (an evaluation he did in 1970 of wind forces acting on tall buildings is now being tested on a building in Denver), about what it means to be an



Dean S.C. Hollister

engineer and about what the next generation of engineers should learn.

"It's impossible to tell a young engineer all he needs to know about practices 40 years from now. What he should learn in the classroom is how to learn after he leaves," Hollister said.

Unlike the pure scientist or the humanist, the engineer has the responsibility for making something work, Hollister said.

"The engineer turns the knowledge of the pure scientist into something that operates as intended, with complete safety, within the limits of an economic plan. The toughest part of the Apollo project was getting the astronauts off the moon. Systems had to work 100 percent at the moment of take-off, and NASA turned to engineers to make sure the spacecraft operated as intended. A lot of people don't think of the engineer as a learned professional, but he has to be," Hollister said.

In Canada, Hollister said, engineers take a pledge of service and are given an iron ring to symbolize their responsibilities to the profession. Hollister, who wears an iron ring put on his hand by the chief engineer of the Canadian Pacific, feels deeply about the engineer's responsibility for service—"reliable, dependable, honest service." It is one facet of engineering that has not changed since Hollister began his career nearly 70 years ago.

—Connie Bart

sponsored research grants and contracts changing dollar limits for trustee approval.

The Executive Committee will hear a recommendation, subject to the approval of the Investment Committee, that the administration be authorized to create a new Long-Term Investment Pool and make certain changes in the management of investment pools.

The trustees will be asked to approve, subject to approval by the Buildings and Properties Committee, a recommendation that the administration be authorized to proceed with repairs and renovations to the Balch Hall heating system.

A recommendation to the Executive Committee, subject to approval by the Buildings and Properties Committee, will be made to authorize the administration to undertake life safety and fire safety improvements in the S Building at the Medical College, Baker-Olin chemistry complex, and the Herbert F. Johnson Museum of Art within a project budget of \$100 thousand

to comply with current code requirements.

Subject to approval by the Buildings and Properties Committee the Executive Committee will be asked to approve construction of a Submicron Research Facility at a cost not to exceed \$3.4 million.

Vice President for Facilities and Business Operation Robert M. Matyas will present a semi-annual report on the critical maintenance program.

Buildings and Properties Committee Chairman Earl R. Flansburgh will present a report of that committee.

The Executive Committee will be asked to approve a recommendation to change the name of the Department of Community Service Education in the College of Human Ecology to the Department of Human Service Studies effective July 1, 1979, to describe adequately the department's program.

The Executive Committee will adopt a meeting schedule for the year 1979-80. The Executive Committee will also be asked to

approve and recommend to the board meeting dates for 1979-80.

President Frank Rhodes will report to the board on the State of the University.

University Provost W. Keith Kennedy will introduce a presentation concerning some of the continuing programs in the Division of Biological Sciences by four professors in that division: Harry T. Stinson, Stuart J. Edelstein, Thomas Eisner, and Paul P. Feeny.

Alvin M. Wyman, chairman of the Advisory Council for the College of Arts and Sciences, assisted by Dean Alain Seznec will report on activities of that council.

Provost Kennedy will introduce a panel of faculty members of the Africana Studies and Research Center who will discuss the programs of that unit. The participants will include: James E. Turner, Jacquelyn L. Haskins, Robert L. Harris Jr. and Congress J. Mbata.



# Einstein Centenary Is Cause for Celebration

In 1905, an unknown, 26-year-old physicist employed at the Swiss Federal Patent Bureau published four articles in the *Annalen der Physik*. These papers transformed the conceptual foundations of astronomy and physics, and within a few years they propelled their author, Albert Einstein, onto center stage in the world of science.

Einstein's 1905 papers established the theory of relativity, predicted the existence of photons (or light quanta), and gave the first completely convincing argument that bulk mat-

ter is composed of molecules. In the following decade Einstein made several crucial contributions to atomic physics, but his work was really focused on a relentless drive to build a consistent theory of gravitation. He finally achieved this goal in 1916 with the publication of the General Theory of Relativity. Virtually all subsequent speculations about the origin and evolution of the Universe build on the conceptual framework of this theory—in particular, the remarkable idea that we live in a curved space-time.

Einstein was born on March

14, 1879, in Ulm, Germany. Throughout this month there are celebrations across the world to commemorate his 100th birthday. Cornell will hold its own birthday party on March 27 and 28 with a series of lectures on the theme "Relativity—Then and Now."

The celebration will begin with a popular lecture by Thomas Gold titled "Einstein's Reckless Route to Relativity" at 8 p.m. Tuesday, March 27, in Alice Statler Auditorium. Gold will describe the intellectual milieu from which Einstein had to free himself in creating the Theory of Relativity—and how he replaced the concepts he discarded with new insights.

Gold is the John L. Wetherill Professor of Astronomy at Cornell, and director of the Center for Radiophysics and Space Research. Among his many contributions to astronomy are two of particular relevance to this event: he is a co-inventor of the steady state cosmological model, and he was the first to argue that pulsars are neutron stars.

Einstein's Special Theory of Relativity, and his theory of light quanta, have been established beyond all reasonable doubt by innumerable experimental tests. In contrast to this, the General Theory of Relativity and Gravitation is now one of the most vigorous areas of research in astronomy and physics. On Wednesday afternoon there will be lectures by Irwin I. Shapiro and Saul Teukolsky that will review several aspects of this activity. These lectures will be at the level of the colloquia regularly held by the Astronomy and Physics Department.

In his 1916 paper Einstein showed that a massive and rapidly accelerating body would emit energy in the form of gravitational waves. Over the years there have been many attempts to detect the very small effects expected from such waves, but the first strong evidence for them was just discovered this winter. This will be the theme for Saul Teukolsky's lecture "Grav-

itational Waves and General Relativity" at 2:30 p.m. Wednesday in Baker 200. Teukolsky holds a joint appointment in physics and astronomy at Cornell and has played a key role in the analysis of these measurements. The basic ingredient in these experiments is not a laboratory device, but two stars some 16,000 light years from us. These are so massive, and rotate about each other so rapidly, that they emit enough gravitational energy to shorten their period of revolution by one ten-thousandth of a second per year. One of the two stars is a pulsar whose observable pulsations provide a built-in clock of extraordinary precision. Because of this, the miniscule change of the orbital period has been observed by astronomers from the University of Massachusetts working at Cornell's Arecibo Observatory. There is good agreement with General Relativity.

Irwin I. Shapiro, professor of geophysics and physics at the Massachusetts Institute of Technology, will lecture on "Experimental Challenges Posed by Einstein's General Theory of Relativity" at 4:30 p.m. Wednesday in Baker 200. In his original 1916 paper, Einstein suggested

three tests of his theory that involved observations within the solar system. These were verified with rather limited accuracy in the ensuing years, but for about half a century they stood as the only available tests. This situation has altered radically in the last decade, and Shapiro, a Cornell alumnus, has been one of the pioneers in these developments. He invented a technique, using radar ranging to artificial satellites and other planets, which provides data of such refinement that departures from Newtonian physics can be measured with greatly improved precision. He has also participated in another test of Einstein's theory in which the reflection of a laser beam from the moon is observed. All these measurements agree with the predictions of Einstein's theory. Shapiro will review the present status of these and other experiments, and discuss new tests presently envisaged.

Among the many tributes that are being paid to Albert Einstein's singular achievements, surely the most appropriate one is that his Theory of General Relativity stands on firmer ground in this centennial year than ever before.

## Job Opportunities

Continued from Page 2

Dining Manager II, CPO5 (Dining Services)  
Res. Supp. Spec. III, CPO5 (HD&FS, Syracuse)  
Admin. Manager II, CPO5 (Cornell Plantations)  
Admin. Manager II, CPO5 (Agric. Economics)  
\*Personnel Asso. II, CPO4 (Coop. Extension, Personnel)  
Space Coordinator, CPO4 (Design & Project Mgmt.)  
Admin. Manager I, CPO4 (Finance & Business Office)  
Staff Writer II, CPO4 (Media Svcs.)  
Reg. Director I, CPO4 (Public Affairs, Mid-Atlantic)  
Student Dev. Spec. I, CPO3 (COSEP, State Programs)  
SDS II, CPO3 (Div. of Instruct., CALS-Minority Program Office)  
Staff Writer I, CPO2 (Computer Services)  
Dining Spvr., CPO2 (Food Science)  
\*University Judicial Advisor (2 year appt., 10 hrs. week)  
PART-TIME AND/OR TEMPORARY POSITIONS  
Temp. Svc. Clerical (Financial Aid, temp. ft)  
Temp. Svc. Clerical (Vet Admin., Computing Facility, temp. pt)  
Temp. Svc. Clerical (Residence Life, temp. pt)  
Admin. Aide I, A-18 (Arch., Art, Plann., 10 mos. 24 hrs. week)  
\*Library Asst. IV, A-17 (U. Libraries, Mann, temp. pt)  
Dept. Secy., A-13 (Engineering Dean's Office, temp. ft)  
Lib. Asst. II, A-12 (U. Libraries, Olin, temp. pt)  
\*Admin. Aide, Nt-11 (Comm. Svc. Educ., temp. ft)  
\*Admin. Secy., MP-8 (Comm. Svc. Educ., temp. ft)  
\*Admin. Secy., NP-8 (Botany, Genetics & Dev., perm. pt)  
Stat. Typist, NP-7 (Sect. of Physiology, perm. pt)  
Steno II, NP-6 (NYSSILR, perm. pt)  
Steno I, NP-5 (Entomology, 1 year, pt)  
\*Temp. Svc. Labor (Pomology & Viti., Geneva, temp. ft-2)  
Temp. Svc. Svc. (Campus Store, casual)  
Maint. Mech., A-16 (Univ. Unions, WSH, 3 mos. ft)  
\*Prin. Clerk, A-14 (Tavern Mgr.) (U. Unions, NCU, perm. 30 hrs. week)  
\*Prin. Clerk, A214 (Store Mgr.) (U. Unions, NCU, perm. 30 hrs. week)  
\*Stockkeeper I, A-12 (Statler Inn, perm. pt)  
Temp. Svc. Tech. (Diagnostic Lab, temp. pt, poss. of perm.)  
\*Cashier, A-11 (Dining Services, pt)  
\*Kitchen Helper, NP-5 (Hum. Dev. & Fam. Studies, perm. pt)  
\*Lab Asst., NP-2 (Plant Breeding & Biom., temp. ft)(9)  
Temp. Svc. Tech. (Biological Sciences, perm. pt)  
Lab Tech., NP-8 :Poultry Science, perm. 30 hrs. week)  
\*Lab Asst. II, NP-4 (Plant Pathology, temp. ft)  
Research Aide II, A-16 (Psychology, perm. pt)  
Systems Programmr III, CPO5 (Computer Svcs., 1 yr.)  
Systems Programmr II, CPO4 (Comter Svcs., 1 yr.)  
Res. Supp. Spec. II, CPO4 (NYSSILR, 6 mos. ft, poss. of cont.)  
Regional Director, CPO4 (U. Develop., Cleveland, pt)  
Systems Programmr I, CPO3 (Comp. Svcs., 1 yr.)  
Temp. Svc. Prof. (Hum. Dev. & Fam. Studies, temp. pt)  
Res. Supp. Spec. I, CPO3 (Preventative Med., NYC, perm. pt)  
Res. Supp. Aide, CPO2 (Education, temp. pt)  
Editorial Asst. I, NP-10 (Media Svcs., perm. pt)  
ACADEMIC-FACULTY POSITIONS (Contact Department Chairperson)  
\*Research Assoc. II, CPO4 (Geological Sciences)  
\*Sr. Asst. Librarian, CPO3 (NYSSILR)  
\*Asst. Prof.-Vegetable Entomology (Entomology, Geneva)  
\*Lecturer or Sr. Asst. Prof. (Hotel Administration)(2)  
\*Vstg. Prof. & Director, Institute of Human Resources Mgmt. for Equal Employment Opportunity (NYSSILR)  
\*Research Assoc. III, CPO5 (Nutritional Sciences)  
Lecturer (Hum. Dv. & Family Studies)  
Librarian II, CPO7 (Albert R. Mann Library)  
Asst. Prof. (Technical Director)(Theater Arts)  
Vstg. Asst. Prof. (Scene Designer)(Theater Arts)  
Asst.-Assoc. Professor (Theater Arts)  
Lecturer (Biochem., Molec. & Cell Biology)  
Faculty Position-Housing (Dept. of Design & Env. Analysis)  
COOPERATIVE EXTENSION (To apply or for more information, contact 212 Roberts Hall)  
\*Extension Asso., CPO4 (Urban Gardening Spec., NYC)  
\*Housing Repair Specialist, CPO5 (NYC)



### Gold on Einstein

Thomas Gold will open Cornell's celebration of Einstein's 100th birthday with a popular lecture on Einstein's Reckless Route to Relativity at 8 p.m. Tuesday, March 27, in Alice Statler Auditorium.

### New Location For Office

The University's Metropolitan New York Regional Office will move to a new location, Suite 1801 at 521 Fifth Ave. in New York City, on March 26. The new office telephone number will be (212) 986-7202.

Regional Director Richard T. Vail and his staff—Mary Berens, Nancy Shulman, Linda Jacobs and Virginia Malagon—had offices at 825 Third Ave. in recent years.

### Peaking

Editor:

With regard to the headline in the Chronicle of March 8, "Research Funding Is at Its Peak, and Growing:" As soon as you figure out a way for something to be both at its peak and growing, I hope you'll let me know. Isn't that rather like the sun being at the zenith and rising?

Gregory Page  
Olin Library

Editor's note: Touche!

GRADUATE MANAGEMENT  
ADMISSION TEST  
Saturday, March 17, 1979  
8:30 A.M.  
ADIELE—SHEN Hollister  
B14  
SHERMAN—ZINSER  
Hollister 110  
All Walk-ins Hollister 110

## Libraries' Spring Recess Schedule

LIBRARY	Saturday March 17	Sunday March 18	Monday March 19	Tuesday March 20	Wednesday March 21	Thursday March 22	Friday March 23	Saturday March 24	Sunday March 25
Africana	Closed	Closed	10A-5P	10A-5P	10A-5P	10A-5P	10A-5P	Closed	Closed
*BPA	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	12N-12M
Engineering	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	Closed
Entomology	Closed	Closed	1P-5P 9A-12N	1P-5P 9A-12N	1P-5P 9A-12N	1P-5P 9A-12N	1P-5P 9A-12N	Closed	Closed
*Fine Arts	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	7P-11P
Hotel	Closed	Closed	8:30A-5P	8:30A-5P	8:30A-5P	8:30A-5P	8:30A-5P	Closed	6P-11P
ILR	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	6P-11P
*Law	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	1P-12P
Mann	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	9A-1P	6P-11P
*Mathematics	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	1P-11P
Music	Closed	Closed	9A-5P	9A-5P	9A-5P	9A-5P	9A-5P	Closed	6P-10P
**Olin	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed***	6P-12P
Physical Sci.	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M	8A-12M
Uris	1P-5P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	9A-5P	12N-12M
Veterinary	9A-1P	Closed	7P-10P 8A-5P	7P-10P 8A-5P	7P-10P 8A-5P	7P-10P 8A-5P	7P-10P 8A-5P	9A-1P	5P-11P

\* March 16, 1979 open 8A-5P

\*\* March 16, 1979 open 8A-6P

\*\*\* Electric power shut down scheduled for Olin





## Campus Spectacle

Hundreds of students gathered at Willard Straight Hall and other spots on campus last Friday to witness the architecture students' annual Green Dragon Parade. Long a Cornell tradition, the parade is normally planned to coincide with St. Patrick's Day but with the holiday falling during spring break this year, the celebration occurred a week early.

## Former Israeli Official To Lecture on Mideast

Israeli political scientist Shlomo Avineri will give three public talks during his first visit to Cornell University as one of the University's Andrew D. White Professors-at-Large, March 24 through April 6.

The former secretary general of the Israeli Foreign Ministry will discuss "The Prospects for Peace in the Middle East" at 8 p.m. Thursday, March 29, and will lecture on "The New Jerusalem: Communism and Nationalism in the Writings of Moses Hess" at 4:15 p.m. Tuesday, April 3. Both lectures will be in Hollis E. Cornell Auditorium, Goldwin Smith Hall.

In addition, he will make the introductory comments at a regularly scheduled Peace Studies

seminar at noon, Thursday, April 5, in 153 Uris Hall. The public is invited.

Avineri's lecture on peace in the Middle East is being sponsored by the Col. Yonatan Netanyahu Memorial Fund for Jewish Studies.

Avineri is currently professor of political science at Hebrew University, Jerusalem. While at Cornell as a White Professor-at-Large, he will maintain an office at 100 McGraw Hall. Students and faculty may make appointments to speak with him by calling 256-4076.

He has written books on Marx and Hegel and numerous articles on the Middle East for such journals as "Commentary," "Encounter" and "Foreign Affairs."

## Concert of Medieval Jewish Music Set

Jewish music of the Middle Ages will be performed by the New World Consort in a free public concert at 8:15 p.m. Wednesday, March 28, in Barnes Hall.

The New World Consort, a New York-based ensemble, consists of Mary Anne Ballard Rosemarie Caminiti, Robert Cowart and William Mount, who also serves as director. Authentically costumed, they utilize their voices and a collection of early

instruments—recorders, shawms, rebec, vielle, saz, trumscheit, psaltery, minstrel harp, hurdy-gurdy, bagpipe and sundry percussion—in their presentation of Jewish songs.

While music of the Christian tradition, notated and stored in monasteries and cathedrals, has been known for many years, medieval Jewish music has only recently come to light. Oral tradition of the Sephardim is a rich source of music by Jews performed during the Middle Ages, and research has given new insight into performance practices of the era.

Efforts of numerous scholars have gone into preparation of this program, which includes the Sephardic liturgical drama "The Binding of Isaac," edited by Dr. Judith Eisenstein. This 13th-century musical play might have been enacted in the Middle Ages by Jews outside of the Synagogue, with the accompaniment of instruments, as was the custom of the time.

The concert, which "Musical America" has called "a treat for ear, eye and mind," is being presented under the auspices of B'nai B'rith Hillel Foundation, the Cornell Council for the Creative and Performing Arts and the Department of Music.

## Women Writers, Poetry Discussed

A poetry reading and a discussion of a study of 19th-century women writers will be presented by a University of California at Davis faculty member at 4 p.m. Wednesday, March 28, at Anabel Taylor Commons.

Sandra Gilbert will give a reading from her forthcoming book, "In the Fourth World." She also will discuss "The Madwoman in the Attic," a study of women writers of the last century, which she has written with Susan Guber. The book will be published in September.

Gilbert's appearance is co-sponsored by the Department of English and the Women's Studies Program.

## Princeton Philosopher To Speak

Philosopher Saul Kripke, an Andrew D. White Professor-at-Large, will give a public lecture on the topic "A Puzzle About Belief" at 4 p.m. Monday, March 26, in Uris Auditorium.

Kripke will be on campus March 25 through 31 in his capacity as a White Professor-at-Large. A professor at Princeton University, Kripke has been described in a Sunday New York Times magazine article as a "budding genius in world analytic philosophy."

## University Dance Series Receives \$3,500 Grant

The University Dance Series has received a grant of \$3,500 from the New York State Council on the Arts in support of its 1978-79 season.

The funding made possible the October performances by Dan Wagoner and Dancers and the recent performance by the Don Redlich Dance Company, as well as a performance by Laura Dean Dancers and Musicians scheduled for April 28 in Ithaca's Strand Theatre.

This spring the dance series will co-sponsor concerts by two



## Conductor

*Works by Beethoven, W. Schuman and Schubert will be among those performed by the Minnesota Orchestra under the direction of Stanislaw Skrowaczewski (above) in the next Bailey Hall concert scheduled for 8:15 p.m. Tuesday, April 17. Tickets for the concert go on sale starting Monday, March 26, at the Lincoln Hall ticket office (256-5166).*

Indian dance companies, Yakshagana and Indrani.

The concerts are funded by a grant from the United States Office of Education for an International Studies Program in Eastern Dance, with assistance from the dance series, the Cornell India Association and the Cornell South Asia Program.

Yakshagana, a troupe of 13 dancers and musicians in the United States for the first time, will present a ritual Indian dance-drama form. Indrani will perform a solo concert of classical Indian dances.

Courses in the Odissi style of Indian dance and in Japanese Noh Theatre are also being offered this semester in conjunction with the program.

# The Arts

## Council of Creative and Performing Arts Issues Statement

The University Council of the Creative and Performing Arts announced this week it plans to meet in early April with President Frank Rhodes and the deans of three colleges to discuss the direction the University will take regarding performing arts facilities at Cornell.

In anticipation of this meeting, after which the council expects that Rhodes will announce the University's plans, members of the council have issued a statement which reads, in part:

"...In December 1977 the Council of the Creative and Performing Arts met with President Rhodes and other administrators to present the need for facilities for the performing and fine arts at Cornell. It was argued that the existence of such facilities, which could be a Center for the Creative and Performing Arts, would give focus and force to the existing programs and would provide a center of culture for an area that is isolated from urban cultural centers. For many years it has been obvious that Cornell has been well behind its peers in support of a place in which the arts can flourish....

"It is time for Cornell to look closely at its cultural environment: The Johnson Art Museum is the most striking and brilliant achievement for the creative and performing arts in the history of Cornell; and Barnes Hall, renovated in 1968, is a satisfying auditorium for chamber music although it is inadequate for the 80-100 concerts given there each year....in every other facility, the arts are struggling against odds—Kaufmann Auditorium is inadequate for theatrical productions, and the rental fee places it entirely out of reach of any of the academic programs on campus; Bailey Auditorium has an inadequate stage with no wing or backstage space; Drummond Studio...is cramped, decaying, and generally hopeless for classroom purposes and for dramatic productions...lighting and sound control areas are less than minimal, seats are mounted on cement blocks...the conditions of Willard Straight are intolerable....

"The effort of the last year is reflective of 50 years of plans for performing arts facilities: In 1930 plans for a new music building were drawn; the build-

ing was never built. In 1951, the Rossiter Committee reported: 'A university should be something more than a collection of classrooms, laboratories, and lecture halls...the present situation at Cornell leaves much to be desired....The university does not house its Fine Arts or Music Departments in buildings worthy of the calibre and objectives of these departments.'

"...In 1960 a Humanities Council report said: 'There is at present no place on campus to serve as a gathering place...for students with literary, artistic, musical, or generally intellectual interests, where they will always be able to find other students, as well as faculty members, with related interests....A center of this sort is one of Cornell's most pressing needs.'

"...Cornell President James Perkins said in his March 1965 Lincoln Center centennial address on 'The Universities and the Arts, 'The University has come to recognize a responsibility for the presentation of artistic works at the highest pro-

fessional level...The only visible limitations are adequate facilities for musical and theatrical programs on the one hand and painting and sculpture on the other. That modern university is fortunate indeed whose legislature or alumni and friends are imaginative enough to provide the kind of concert halls and museums and theatres required for modern performances and exhibits.'

"A noted drama director, being considered for a position in Cornell's Theatre Arts Department, remarked in a letter withdrawing his name for consideration: 'One need only see your facilities to understand what the University thinks of the performing arts at Cornell.'

"Marvin Carlson, professor in theatre arts, in his letter of resignation from Cornell, stated: 'Throughout the twenty years I have been here, and indeed for twenty years before, study after study and report after report has found the facilities here totally inadequate, yet our response to this is merely to continue making study after study....'

"If Cornell is ever going to make a commitment to the spirit

of creativity and artistic endeavor on this campus, it must act now to support theatre arts facilities...."

The council, established in 1968, has sponsored such events as the Chekhov and Contemporary Writers Festival in 1976-77, the Haydn Festival in 1977-78 and the Hamlet Festival in 1978-79. The council awards individual grants to students and staff and supports small group projects in creative writing, the visual arts, music, dance and theatre.

"We have issued this statement to present the facts and to make the Cornell community aware of the inadequacy of the present facilities for artists on campus—especially and immediately for theatre arts," according to Anna Geske, ex-officio member of the council and program administrator.

The three deans expected to participate in the discussion are Alain Seznec, Arts and Sciences; Kermit C. Parsons, Architecture Art and Planning; and Jerome A. Ziegler, Human Ecology.



# Computer Merger Expected to Improve Service

In a move designed to increase the over-all accessibility and capabilities of the University's computer facilities, a major statutory computer unit has been merged with the university's central computer organization.

The former Computer Activities Group, which had been maintained in Warren Hall as a separate unit to serve the needs of the statutory colleges, has now been absorbed by the Office of Computer Services to form one administrative body.

Immediate responsibility for the transition falls under the newly appointed assistant director for user services, Steven Worona, formerly a special assistant in the Office of Computer Services.

Both the statutory colleges and the University as a whole should benefit from the recent merger in two major ways. J. Robert Cooke, director of instruction at the College of Agriculture and Life Sciences, said. One of these, he said, is improved coordination and efficiency in the delivery of computer services across the various campuses. A second advantage of the reorganization, he believes, is that it will help Cornell keep up with rapid improvements in computer technology, such as the use of "interactive" terminals.

Resembling typewriter keyboards with video screens above them, interactive terminals, allow users to monitor each step of their programs and make revisions as soon as they are

necessary. The older "batch" system involves feeding stacks of punch cards into a much larger piece of equipment which prints out the program only when data from the entire "deck" of cards has been absorbed.

While batch facilities such as the one in Warren Hall can handle a high volume of work, increased use of interactive terminals will add a great deal of versatility to the University's computer's resources, Worona said.

Toward this end, three new interactive terminals will be located in Riley-Robb, along with the several others recently added to the School of Industrial and Labor Relations. Like the other interactive terminals located in Uris, Upson and Warren, each

keyboard directly taps into the power of the University's central computer in Lanqmuir.

But in addition to these automatic "relay stations," a self-contained micro-computer called a Terak will be added to the new Riley-Robb facility.

This "computer on a chip," along with the new interactive terminals, should make it much easier for "nonprofessional" or occasional users such as faculty and students to do a great deal more of their own computer work, Worona said.

In deciding on the merger, deans of the statutory colleges felt that one of its main advantages would be in fostering increased integration of computers with undergraduate instruction.

"The engineering College al-

ready has students use computers as a matter of course. But as problems become more complex and our facilities expand, computer usage is definitely going to be an integral part of instruction throughout the agriculture college and in many other areas as well," Douglas A. Haith, associate professor of Agricultural, Civil and Environmental Engineering said.

In the midst of trying to ensure that the initial phases of the computer services reorganization goes smoothly, Worona stresses that his goal is fitting all the pieces together to get the "best of both worlds" — not sacrificing any previous resources or personnel, but rejoining old units into one cohesive whole.

OFFICE OF THE JUDICIAL ADMINISTRATOR CASE REPORTS FEBRUARY, 1979		
NO. OF PERSONS	VIOLATIONS	SUMMARY DECISIONS
1	theft of nuts	WR; \$75/25 hrs. C.S. **
3	theft of fire extinguishers	WR; \$125 of which \$75 is suspended. \$50/17 hrs. C.S.
1	theft of 2 food items from Pick-Up	WR; \$75 suspended fine
1	breaking door glass in Stimson Hall	WR; Restitution
1	refusal to comply with Safety official	Warning
2	misuse of Co-Op card	Warning
2	use of fireworks	C.S. project to disseminate information regarding dangers of fireworks
2	damage to dormitory lawn	Warning
3	abuse of reserve book privileges	Warning
1	attempting to go through food line without paying	WR; \$10/3 hrs. C.S.
1	discharge of fire extinguisher	WR; \$125 of which \$50 is suspended. \$75/25 hrs. C.S. Restitution \$6.04
1	theft of bottle of liquor	WR; \$75 of which \$50 is suspended. \$25/8 hrs. C.S. Restitution
1	attempting to take plant from NCU	Warning
1	altering loading permit	WR; \$50 suspended fine
* Written Reprimand ** Community Service		

## Council Response 'Worrisome'

"If the response to this Campus Council election is any indicator, I am worried about the future of representative government for employees of Cornell University," Campus Council Chairman Robert McGinnis said this week.

Because petitioning is running so far behind schedule (only two candidates by Tuesday for the

two employee seats open this year), the deadline for petitioning and all other deadlines have been delayed one week.

"There are 7,300 full-time employees at the University," McGinnis said, "and the Campus Council provides them with channels of communication and participation that were not there before the council was formed in

1977. This year's interest (or more properly lack of interest) makes one wonder if those 7,300 people really want to participate in the functioning of this university."

Deadline for petitioning has been extended to March 21, and the deadline for voting has been moved back to April 9. There are three employee seats on the 17-member council, two of which will be filled this year.

The council offers employees a chance to voice their concerns and a chance to do something about them" said Gail Roy, an employee council member. "It also gives the non-exempt employees an opportunity to become involved in the community."

President Frank Rhodes has stated, "The Campus Council is Cornell's mechanism for self-governance in all matters outside the classroom or laboratory. The administration listens intently to the council and has, to this point, followed its major recommendations. Since the quality of the council is determined by its membership, I urge members of the three constituencies—student, faculty, and employees—to stand for election and to vote."

The council will hold elections in April with employees voting by mailed ballot. Employee candidates for the two-year terms should pick up petitions at 133 Day Hall.

## Giles F. Shepherd Jr.

Memorial services were held Tuesday in Sage Chapel for Giles F. Shepherd Jr., who served the University Libraries from 1957 until his retirement in 1975, and who died Friday at Tompkins County Hospital. He was 66. He joined the library staff as assis-

tant director, was named associate director in 1966 and served as acting director from 1974 until his retirement. Memorials may be made to the Giles F. Shepherd Jr. Memorial Book Fund, care of University Libraries.

## Searches

*Continued from Page 1*

nal, civil, and civil rights complaints. Most cases are adjudicated by the judicial administrator alone. The J.A. also makes decisions on proposed policies or procedures which may entail preparation of a complaint.

That committee states: "sensitivity to the concepts of justice, due process, procedure, etc. one receives in a legal education would be most desirable in a judicial administrator, as would

reasonable experience in counseling or related personnel work."

The judicial advisor post is a part-time paid position, involving approximately 10 hours of work per week. The judicial advisor provides advice and counsel to those charged, or who might be charged by the judicial administrator for offenses against the University Community. Some legal training is necessary for this position, the search committee states.

## Bulletin Board

**Bulletin Board items must be typed, double-space and arrive at the Chronicle Office, 118 Day Hall by noon of the Friday before publication.**

### Date Changed for Music Concert

"Music by Three," originally scheduled for Friday, March 2, will be presented at 8:15 p.m., Monday, March 26, in the Statler Auditorium.

All tickets sold for the originally scheduled date will be honored and additional tickets are available at the Lincoln Hall ticket office (256-5144).

### Receptions for Cornell Community Set

A series of receptions designed to bring together Cornell students, faculty, staff, executive staff and deans are scheduled for 4:30 p.m. to 6 p.m., March 28, April 5, April 18 and May 1 in the Big Red Barn, according to Ron Loomis, director of University Unions.

The program, which started last year, is designed to increase personal interactions among the various segments of the Cornell community, according to Loomis, coordinator of the program.

Participants have been randomly selected but the receptions are open to the entire Cornell community.

The receptions are being co-hosted by members of the University Unions and the COSEP staff.

### Deadline Set for Photo Workshop

The deadline and location for signing up for a two-week photography workshop to be given by photographer and author Melissa Shook is 4 p.m., Monday, March 26, Room 108 Franklin Hall.

Shook, who will be on campus through April 6 under a grant from the National Endowment for the Arts also will deliver two public lectures.

She will discuss her own work at 4 p.m., Wednesday, March 28, in Room 115 Franklin Hall. And at the same location at 4 p.m., Wednesday, April 4, she will lecture on contemporary photographers.

Persons interested in more details on the workshop and Shook's visit may call Stanley Bowman, assistant professor, Department of Art, extension 6-3558.

### "Color Is Fun" Lecture Slated

Arthur Tarrant, a physicist from the University of Surrey, England will give a lecture-demonstration on the subject "Color Is Fun," at the State College of Human Ecology at Cornell at 4:30 p.m., Monday, March 26, in N207 Van Rensselaer Hall.

The talk, open to the public, is sponsored by the Cornell Student Chapter of the American Association of Textile Technology, Textile Seminar 637, and the Council for International Contact, London, England.

In his talk Tarrant discusses the nature of color and its psychological connections, principles underlying some systems of color measurement, and factors which affect the appearance of colors. He also will demonstrate the effects of lighting on different foods, packed goods, the human complexion and wall colors.

## Graduate Bulletin

The Compton Foundation is awarding 10 fellowships at \$5000 each for the academic year 1979-80 to outstanding minority students who are U.S. citizens preparing for careers in teaching, research or practice in international affairs. Cornell is one of about 15 universities which has been asked to recommend up to three candidates for these fellowships. The candidates must be either graduate students presently or persons admitted for graduate study for the 1979-80 academic year. Candidates must be nominated by their field's graduate faculty representative who must submit recommendations to the Center for International Studies before March 26.

Successful candidates for fellowships awarded by the Graduate School for the 1979-80 academic year should be notified by mail by the first week in April. Students who have not received notification may confirm their status with their graduate faculty representatives after that date.

Students interested in applying for need-based financial aid (loans, work-study and/or professional master's scholarships) should obtain a 1979-80 Financial Aid Form (FAF) from the Financial Aid Office, 203 Day Hall, and file the completed application with that office by April 16. Students who must file Noncredit Graduate Registration (NCGR) forms as part of their requirement for summer Work-Study should note that it is not necessary to have your registration form validated at this time; tentative awards will be calculated but will not be finalized until NCGR registration has been completed.

Graduate School Summer 1979 Fellowship applications are available at the office of your graduate faculty representative. Completed applications must be submitted to the student's Special Committee chairperson by March 30.

Graduate Summer School Tuition Award applications are available at the Fellowship Office, 116 Sage Graduate Center. Completed applications must be submitted to the student's Special Committee chairperson by April 16.

Graduate students in the field of Business & Public Administration interested in summer support should apply through the B&PA Dean's Office, 303 Malott Hall.



## Special Seminars

In order to appear in the Chronicle, announcements of special seminars must arrive in the Chronicle office, 110 Day Hall, by noon of the preceding Friday.

### Agriculture and Life Sciences

**AGRICULTURAL ECONOMICS:** "Contextualizing the Factors of Production: Baseline Data for the Study of Small Farmers," Davydd Greenwood, 4 p.m., Monday, March 26, 401 Warren Hall.

**ENTOMOLOGY:** "Evolution of Bombardier Beetles: From the Origin of Life to the Big Bang," T. Eisner, 4 p.m., Monday, March 26, 100 Caldwell Hall.

**MATHEMATICS:** "Optimal Management of Renewable Resources," Colin Calrk, 4 p.m., Tuesday, March 27, 100 Caldwell Hall.

**MICROBIOLOGY:** "Biochemical Aspects of Thermoacidophilic 'Archaeobacteria' (Thermoplasma and Sulfolobus)," Thomas A. Langworthy, University of South Dakota, 4:30 p.m., Thursday, March 15, 124 Stocking Hall.

**MICROBIOLOGY:** "The Potential of Insect Pathogenic Viruses as Viral Insecticides," Robert Granados, Boyce Thompson Institute, 4:30 p.m., Thursday, March 29, 124 Stocking Hall.

**NATURAL RESOURCES:** "American Attitudes, Knowledge

and Behaviors Towards Wildlife," Stephen R. Kellert, Yale University, 4 p.m., Thursday, March 15, 304 Fernow Hall.

**NATURAL RESOURCES:** "Fire Ecology in the Northeastern United States," David Olson, University of New Hampshire, 4 p.m., Thursday, March 29, 304 Fernow Hall.

**NUTRITIONAL SCIENCES:** "The State of a State—Nutrition in Massachusetts," Janet Schwartz, Massachusetts Department of Health, 4:30 p.m., Monday, March 26, 348 Morrison Hall.

**POULTRY BIOLOGY:** "Plasma Concentration of Sic Steroids and LH Relative to Ovulation in the Hen," Alan Johnson, 4:15 p.m., Thursday, March 15, 300 Rice Hall.

**POULTRY BIOLOGY:** "Chicken Lymphocyte Surface Antigens," Douglas Gilmour, New York University, 4:15 p.m., Thursday, March 29, 300 Rice Hall.

**RURAL SOCIOLOGY:** "Social and Economic Organization in Rural Malay Society," Connor Bailey, 4 p.m., Monday, March 26, 32 Warren Hall.

**VEGETABLE CROPS:** "Competition Between Peas and Broadleaf Weeds," Ann McCue, 4:30 p.m., Thursday, March 15, 404 Plant Science Building.

### Arts and Sciencee

**CHEMISTRY:** "Experimental and Theoretical Aspects of Protein Folding," Harold A. Scheraga, 4:40 p.m., Thursday, March 15, 119 Baker Lab.

**WOMEN'S STUDIES:** "The Bridge Between the Ordinary World and the World Beyond: A Study of Woman's Ritual

Lament (Song and Performance) as a Communication Process," Anna Caraveli Chaves, 4 p.m., Thursday, March 15, 202 Uris Hall.

**WOMEN'S STUDIES:** "The Revolutionary Experience of American Women: 1750-1800," Mary Beth Norton, 4 p.m., Thursday, March 29, 202 Uris Hall.

### Biological Sciences

**BIOCHEMISTRY:** "Hepatic Membrane Receptors for Serum Glyco-proteins," Gilbert Ashwell, National Institutes of Health, 4:30 p.m., Friday, March 16, 204 Stocking Hall.

**BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY:** "Properties of F ATPase of unc Mutant Strains of E. coli," Alan Senior,

1 University of Rochester, 12:10 p.m., Monday, March 19, 105 Riley Robb.

**BIOCHEMISTRY, MOLECULAR AND CELL BIOLOGY:** "Cell Surface Deformability and Determinance of Cell Shape," Nils Petersen, 12:10 p.m., Monday, March 26, 105 Riley Robb.

**ECOLOGY AND SYSTEMATICS:** "Zooplankton as Indicators of Water Quality in the Great Lakes," John Gannon, SUNY at Oswego, 4:30 p.m., Wednesday, March 28, Langmuir Penthouse.

**ECOLOGY AND SYSTEMATICS:** "Fossorial Mammals and the Energy Cost of Burrowing," David Vleck, University of Washington, 4:30 p.m., Thursday, March 15, Fuertes Room, Laboratory of Ornithology.

**MARINE BIOLOGY:** Films: "Plankton—Life of the Sea," and "The Day the Tide Turned Red," 4:45 p.m., Tuesday, March 27, G-1 Stimson Hall.

**NEUROBIOLOGY:** "Local Control of Axon Development by Nerve Growth Factor," Robert Campenot, 4:15 p.m., Tuesday, March 27, 100 Savage Hall.

**PLANT PHYSIOLOGY:** "Is a New Auxin Binding Site the Polar Transport Carrier?," Mark Jacobs, Swarthmore College, 11:15 a.m., Friday, March 16, 404 Plant Science Building.

### Engineering

**GEOLOGICAL SCIENCES:** "Pediment Formation and Climatic Change," C.R. Twidale, Adelaide University, 4:30 p.m., Monday, March 26, 205 Thurston Hall.

**GEOLOGICAL SCIENCES:** "Tectonics of East European Alpine System," B. C. Burchfiel, Massachusetts Institute of Technology, 4:30 p.m., Tuesday, March 27, 205 Thurston Hall.

**MATERIALS SCIENCE AND ENGINEERING:** "Relaxation Behavior in Glassy Polymers," R. Robertson, Ford Motor Company, 4:30 p.m., Thursday, March 15, 140 Bard Hall.

**MATERIALS SCIENCE AND ENGINEERING:** "Recovery & Recrystallization During High Temperature Deformation," J. J. Jonas, McGill University, 4:30 p.m., Thursday, March 29, 140 Bard Hall.

**MECHANICAL AND AEROSPACE ENGINEERING AND CENTER FOR RADIOPHYSICS AND SPACE RESEARCH:** "The Overall Balance of Turbulent Energy in Nonstationary Turbulent Boundary Layer in Stratified Upper Ocean," S. A. Kitaigorodskii, University of Copenhagen, 4:30 p.m., Friday, March 16, 111 Upson Hall.

**MECHANICAL AND AEROSPACE ENGINEERING:** "Heat Transfer in Fluidized Beds," N. S. Grewal, University of Illinois at Chicago, 4:30 p.m., Tuesday, March 27, 282 Grumman Hall.

**MECHANICAL AND AEROSPACE ENGINEERING:** "The Theory of the Deepening of the Well-mixed Turbulent Layer in Stratified Rotating Fluid," S.A. Kitaigorodskii, University of Copenhagen, 4:30 p.m., Wednesday, March 28, 111 Upson Hall.

**MECHANICAL AND AEROSPACE ENGINEERING:** "Modular Integrated Utility Systems (MIUS) Concept," Morris H. Nimmo, U. S. Department of Commerce, 4:30 p.m., Thursday, March 29, 282 Grumman Hall.

**MECHANICAL AND AEROSPACE ENGINEERING:** "The General Law For Surface-stress Induced Entrainment in Stratified Fluid (Towards Interpretation of Kato-Phillips and Kantha-Phillips Laboratory Experiments)," S. A. Kitaigorodskii, University of Copenhagen, 4:30 p.m., Friday, March 30, 111 Upson Hall.

**PLASMA STUDIES:** "The Experimental Gyrotron Program at NRL," M. E. Read, Naval Research Laboratory, 4:30 p.m., Wednesday, March 21, 282 Grumman Hall.

### Residence Life

"The Equal Rights Amendment: Pros and Cons for American Women," Andrew Baker, 8 p.m., Wednesday, March 28, Formal Lounge, Mary Donlon Hall.

### Veterinary Medicine

**MICROBIOLOGY:** "R-Plasmids in Enterotoxogenic E. coli," Richard P. Silver, Bureau of Biologics, Food & Drug Administration, 4:30 p.m., Monday, March 19, G-3 Vet Research Tower.

**MICROBIOLOGY/PATHOLOGY:** "On the Origin of Animal Human Leukemias...Recent Results," Robert C. Gallo, National Institutes of Health, 4:30 p.m., Monday, March 26, G-3 Vet Research Tower.

**PHYSICAL BIOLOGY:** "Critical Parameters in Isoelectric Focusing," Keith Williams, Pharmacia Fine Chemicals, 4 p.m., Tuesday, March 20, G-3 Vet. Research Tower.

## Sponsored Programs Information

### Selected Research Opportunities

The Office of Naval Research is announcing Selected Research Opportunities (SRO) as a new feature of its Contract Research Program. SRO is designed to further the goal of improved national defense over the long term. This is to be accomplished through the increased involvement of the academic research community in selected fundamental research areas of great promise for future naval application, typically of a highly interdisciplinary nature, and through the fostering of coordinate communications between this community and the Navy.

Proposals which will allow a principal investigator to assemble a critical mass of resources are encouraged. Funding levels of \$100,000 to \$500,000 per year are appropriate. The Office of Naval Research plans to fund up to 6-7 selected proposals at these levels, incrementally by year, for an initial contractual period of up to three years.

It is anticipated that the first year's program will be selected primarily from proposals in the following areas: Biochemical Definition of Stress, Geophysical Processes, Millimeter Waves, Microstructural Electronics, Optical Materials Processes, Interfacial Processes, Distributed Processing.

Deadline for receipt of proposals for Fiscal Year '79 funding is May 15, 1979. Proposals received after May 15, 1979 will be considered for the Fiscal Year '80 period.

Additional information may be obtained from the Office of Sponsored Programs, 123 Day Hall, 6-5014.

### Women's Equity Research Grants

The National Institute of Education has announced a May 10 closing date for proposals to the Women's Educational Equity Research Grants Program.

Awards will be made for research on the informal social processes which influence women's achievement particularly in the areas of mathematics, science, and technology and with special attention to racial, ethnic, and socio-economic diversity.

Proposed funding allocation for the current fiscal year is \$500,000 for this program. It is expected that there will be about 10 to 25 project awards of one-year duration.

Program announcement and application forms may be obtained by sending a self-addressed mailing label to the Social Processes/Women's Research Team, National Institute of Education, Washington, D.C. 20208.

### Anthropological Research

The Wenner-Gren Foundation for Anthropological Research has announced an April 30 deadline for grants up to \$5,000 for research in all branches of anthropology and related disciplines. Contact Ms. Lita Osmunden, Director of Research, 1 E. 71st St., New York, New York, 10021, (212) 737-2900. Student support may be awarded for research projects at the advanced predoctoral level. Student applications must be made jointly with a senior scholar.

### National Endowment for the Humanities

The National Endowment for the Humanities announces a "Proportion of the Humanities — Youthgrants — Projects Initiated and Conducted by Students" which has an April 15 deadline. Contact Program Chief, Office of Youth Programs, National Endowment for the Humanities, Washington, D.C. 20506.

### International Research and Exchange Board

The International Research and Exchange Board has a May 31, 1979 deadline for special grants for collaborative activities and new exchanges. Awards are to encourage the development of individual and institutional collaboration and exchange in the social sciences and humanities involving scholars from the U.S. and from one or more of the exchange countries. Grants are not available to support individual study, research, or attendance at conferences. Contact IREX, 110 E. 59th St., New York, New York 10022, (212) 826-0230.

### New Grants and Contracts

The Office of Sponsored Programs announces the following new

grants and contracts for sponsored programs for the Ithaca and Geneva Units of the University from January 10 through February 6, 1979. This list does not include renewals or continuations.

Appel, M.J., Veterinary College: Canine Distemper: Factors Influencing Viral Persistence. NIH, One Year, \$44,607.

Brown, T.L., Natural Resources: Tourism Development Studies on the Great Lakes. NOAA, One Year, \$9,216.

Cohen, C., Chemical Engineering: Relaxation and Diffusion in Polymers. NSF, One Year, \$61,200.

Edsall, A.R., Education: Field Test Student Reporting System—Phase 4. NYS Ed., One Year, \$46,005.

George, A.R., Mechanical and Aerospace Engineering: Research on Helicopter Blade Vortex Interaction and Broadband Noise. NASA, 11 months, \$34,807.

Greenberg, D.P., Architecture: Interactive Computer Graphics Input and Display Techniques. NSF, One Year, \$170,239.

Gubbins, K.E., Chemical Engineering: Two- and Three-Body Correlations in Simple Gases. University of Florida, One Year, \$25,045.

Gubbins, K.E., Chemical Engineering: Computer Simulation and Molecular Theory Studies of Natural Gas Properties. Gas Research Institute, One Year, \$30,000.

Gulledge, J.L., Ornithology: Curatorial Support of the Library of Natural Sounds. NSF, One Year, \$53,025.

Hood, L.F., and Zall, R.R., Food Sci: Recovery and Utilization of Protein and Other Nutrients from Seafood Processing Wastes. NOAA, One Year, \$32,269.

Idzerda, S.J., Libraries: Lafayette and the Age of the American Revolution. GSA, One Year, \$58,898.

Kramer, E.J., Materials Sci: Micromechanical Property of Crazes. Army, One Year, \$49,980.

Liu, P.L.L., Environmental Engineering: Development of a Marine Engineering Research and Education Program NOAA, One Year, \$10,300.

Loucks, D.P., Civil and Environmental Engineering: Acquiring, Abstracting and Indexing Literature on Policy Models for Water Resources and Related Systems. Dept. of Interior, One Year, \$23,355.

Lyons, D.B., Philosophy: Humanities Seminar for Lawyers on Justice and the Rule of Law. NEH, 10 months, \$41,278.

Miller, J.G., Libraries: College Library Resources Program. Office of Education, One Year, \$3,963.

Mortlock, R.P., Microbiology: Evolution of Enzymatic Activities. NIH, One Year \$30,960.

Nunno, M.A., HDFS: Training for the Department of Social Services in the Western NY Region. State University College at Buffalo, 2 months, \$983.

Oliver, J.E., and Isacks, B.L., Geological Sci: Global Investigation of Seismic-Wave Propagation on a Regional Scale. Air Force, Two Years, \$155,000.

Oliver, J.E., Kaufman, S., Brown, L.D., Geological Sci: Seismic Reflection Profiling of the Continental Basement. NSF, One Year, \$2,002,000.

O'Rourke, T.D., Civil and Environmental Engineering: Analytical Modeling of Buried Pipeline Response to Static Earthquake Displacements. NSF, One Year, \$28,970.

Raimon, R.A., HDFS: Provision of Technical Assistance and Training to Head Start Programs in Upstate NY. Office of Human Development Services, One Year, \$90,000.

Schryver, H.F., and Hintz, H., Veterinary College: Lyophilized Hyperimmune Horse Serum as a Source of Antibodies for Neonatal Foals. Borden Co., One Year, \$3,000.

Shapiro, S.L., CRSR: Theoretical Studies in Astrophysics. NSF, One Year, \$175,105.

Stipanuk, M.H., Nutrition: Cyst(e)ine Metabolism in Mammals. Nutrition Foundation, One Year, \$12,000.

Wilkins, B.T., and Everhart, W.H., Natural Resources: Application of Management Strategies to the Mid-Atlantic Extended Jurisdiction Recreational Fisheries. NOAA, One Year, \$12,936.

Wilkins, B.T., Cooperative Extension: Advisory Service Efforts on Critical Issues of the New York Bight. NOAA, One Year, \$11,000

Director of Personnel Services: Alison Casarett, Equal Opportunity Officer. Clark 700.

## Exhibits

*Olin Library:* "Modern Artists as ILLUSTRATORS: Picasso, Matisse, Baskin, Abbe and others of the 20th Century."

*Uris Library:* Hamlet Exhibit. Through April 27.

*Herbert F. Johnson Museum:* "22 Polish Textile Artists," through March 18; "Louis M. Eilshemius: Selections from the Hirshhorn Museum and Sculpture Garden," through March 18. "Beyond the Taj: Diversity in Indian Architecture," scheduled for April 4 through May 13 has been postponed to Sept. 12 through Oct 21. Special notice: Museum tours are offered Sundays at 2:30 p.m.

## Announcements

*Intramural Softball (Slowpitch):* Men, Women, Co-ed. The deadline on entries is Thursday, March 15 at 4 p.m. in the Intramural Office, Grumman Squash Courts Building. Minimum of 9 to enter. Co-ed: Minimum of 10 to enter, equal number of men and women. Specify your preferred day of play (1st, 2nd,

3rd choice), Monday through Friday afternoons.

*Intramural Horseshoes:* Men, Women, Co-ed. The deadline on entries is Thursday, March 29 at 4 p.m. in the Intramural Office, Grumman Squash Courts Building. Minimum of 2 to enter. Straight elimination tournament played Monday through Friday afternoons.

*Intramural Wrestling.* The deadline on entries is Monday, April 2 at 5:30 p.m. in the Teagle Locker Room. Weighing-In constitutes entry, and must be done by the individual between 2:30-5:30 p.m. Tournament starts Tuesday, April 3 at 5 p.m. One person at each weight per team. Weights: 130, 145, 155, 165, 180 and heavyweight.

*Hirsch Scholarship:* applications are now available from Archaeology Program Faculty or from the Archaeology Office, 265 McGraw Hall. The scholarships fund undergraduate travel and expenses for students who seek positions at supervised summer archaeological field schools. Completed forms are due by April 10 and must be returned to Susan Westbrook, Program Coordinator in the Archaeology Office.

## Calendar

*Continued from Page 8*

Prospects for Peace in the Middle East," Shlomo Avineri, Hebrew University, Jerusalem, Israel and A.D. White Professorat-Large, Cornell. Sponsored by Program for Jewish Studies and Near Eastern Studies. Goldwin Smith Hollis E. Cornell Auditorium.

8: p.m. CUSLAR presents "The Traitors." A dramatic portrayal of the life of a trade union leader set within the historical and political context of the Argentine labor movement during the last two decades. Free. Uris Hall Auditorium.

8:15 p.m. Plant Pathology Colloquium: "Research and Development Procedures for New Agricultural Pesticides," John Waddington, Agricultural Chemicals Research, Diamond Shamrock Corporation, Concord, Ohio. Plant Science 404.

## Friday, March 30

3-5 p.m. Provost's Advisory Committee on the Status of Women Program: "Strategies for developing staff, and implications of a 'promote from within' policy vis-a-vis Cornell's current open search policy." Key speaker: William G. Gerbster, Senior Vice-President. Reactor panel: Michael Montgomery,



# Calendar

March 15 — 30

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

\* Admission charged

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

## Thursday, March 15

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

12:15 p.m. Women's Studies Graduate/Faculty Colloquium: "The Bridge Between the Ordinary World and the World Beyond: A Study of Woman's Ritual Lament (Song and Performance) as a Communication Process," Anna Caraveli Chaves, Lecturer, Women's Studies Program. Uris Hall 494.

12:30-4:30 p.m. Writing Center's Walk-In Service. Rockefeller 302.

4 p.m. Natural Resources Seminar: "American Attitudes, knowledge, and behaviors towards wildlife," Stephen R. Kellert, School of Forestry, Yale University. Fernow 304.

4 p.m. Issues on Contemporary Japan cosponsored by China-Japan Program and Western Societies Program: "Comparison of Technology: Japan and the U.S., Mieko Nishimizu, Woodrow Wilson School, Princeton University. Uris Hall 202.

4:30 p.m. Astronomy and Space Sciences Colloquium: "The Search for Supermassive Black Holes," Larry Smarr, Center for Astrophysics, Harvard. Space Sciences 105.

4:30 p.m. Microbiology Seminar: "Biochemical Aspects of Thermoacidophilic 'Archaeobacteria' (Thermoplasma and Sulfolobus)," Thomas A. Langworthy, University of South Dakota. Stocking 124.

5:15 p.m. Catholic Eucharist. All welcome. Anabel Taylor G-19.

6 p.m.-midnight. Writing Center's Walk-In Service. Rockefeller 302.

7 p.m. Cornell Karate Club (Shotokan) beginners class. All welcome. Martha Van Rensselaer Auditorium.

7 p.m. Amphibious Warfare Study XXIII Program. This two hour program conducted by the Amphibious Warfare Presentation Team from the Marine Corps Development and Education Command, Quantico, Virginia, will include current developments in Amphibious warfare research and technology and a discussion of tactical operations in the amphibious theatre. Phillips Hall 101.

7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.

7:30 p.m. Twig Bible Fellowship sponsored by The Way of Cornell. Balch Unit 2 study lounge.

7:30 p.m. Morris Dance Practice sponsored by Cornell Contra Dance Club. Morris Dance teams for beginning and experienced dancers. Martha Van Rensselaer NG-35.

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

8:15 p.m. \*Faculty Committee on Music presents Pinchas Zukerman and Itzak Perlman, viola and violin duo. Works of Bach, de Beriot, Mozart, Bartok, Moskovsky. Bailey Auditorium.

8:15 p.m. \*Department of Theatre Arts presents Shakespeare's "Hamlet." Straight Theatre.

8:15 p.m. Plant Pathology Colloquium: "Advances in Taxonomy: Progress or Problems for the Pathologists" Richard Korf, Mycology, Plant Pathology, Cornell. Plant Science 404.

8:30 p.m. "Better Music Thru Science," an original rock band. Free and open to the community. Risley Theatre.

## Friday, March 16

8:30 a.m.-4:30 p.m. Extramural Registration: last day to change. Day 105.

11:30 a.m.-4:30 p.m. Writing Center's Walk-In Service. Rockefeller 302.

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

1:30 p.m. La Tierra Verde Collective of CRE-Alternative Agriculture Working Group meeting after Alternative Agriculture Seminar. Warren 32.

2:30 p.m. Muslim Educational and Cultural Association and Africana Research and Studies Centre Lecture on Islam Series: 5 p.m. Cornell Karate Club (Shotokan) beginners class. All welcome. Martha Van Rensselaer Auditorium.

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

5:30 p.m. Shabbat Services (Reform). Anabel Taylor Chapel.

6-8 p.m. \*Dinner. Statler Inn Main Dining Room.

7:30 p.m. Cornell Christian Fellowship meeting for singing, teaching and prayer. Morrill 106.

7:30 p.m. "Islam and Muslims" sponsored by Muslim Educational and Cultural Association. Anabel Taylor 314.

7:30 p.m. Inductive Bible Study in John's Gospel. All welcome. Sponsored by Cornell Bible Applications Group. Noyes Center 304.

8 p.m. \*Cornell Cinema presents "Philadelphia Story." Uris Hall Auditorium.

8:15 p.m. \*Department of Theatre Arts presents Shakespeare's "Hamlet." Straight Theatre.

## Saturday, March 17

9:15 a.m. Shabbat Services (Orthodox). Anabel Taylor Edwards Room.

10 a.m. Shabbat Services (Conservative). Anabel Taylor Founders Room.

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4:30 p.m. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.

5:15 p.m. Catholic Eucharist. All welcome. Anabel Taylor Chapel.

8 p.m. \*Cornell Cinema presents "Love and Death." Uris Hall Auditorium.

8:15 p.m. \*Department of Theatre Arts presents Shakespeare's "Hamlet." Straight Theatre.

## Sunday, March 18

9:30 & 11 a.m. Catholic Eucharist. All welcome. Anabel Taylor Auditorium.

9:30 a.m. Episcopal Eucharist Worship Service. Faculty, staff, and families welcome. Church School and nursery care. Coffee hour following service in Founders Room. Anabel Taylor Chapel.

10 a.m. Ithaca Society of Friends (Quakers). Discussion and First Day School. Babysitting provided. Anabel Taylor Forum.

10:45 a.m. The Lutheran Church Worship Service. Nursery care provided. Coffee hour following the service. Church school prior to service at 9:30 a.m. 109 Oak Avenue.

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

11:15 a.m. Protestant Church at Cornell. Anabel Taylor Chapel.

12:30 p.m. People getting together for discussion of social concerns, support and letter-writing. Come share ideas and food with Friends (Quakers) and others. For more information call Bruce at 272-7149. Anabel Taylor Forum.

2 p.m. Korean Church at Cornell, Young M. Paik, Pastor. Anabel Taylor Chapel.

8 p.m. \*Cornell Cinema presents "Rules of the Game." Comedies for Spring Series. Uris Hall Auditorium.

## Monday, March 19

8 p.m. \*Cornell Cinema presents "Variety Lights." Spring Series. Uris Hall Auditorium.

## Tuesday, March 20

8 p.m. \*Cornell Cinema presents "Mr. Hulot's Holiday." Comedies for Spring Series. Uris Hall Auditorium.

## Wednesday, March 21

4:30 p.m. Cornell University as an Employer meeting. All welcome. Ives 214.

8 p.m. \*Cornell Cinema presents "Smiles of a Summer Night." Comedies for Spring Series. Uris Hall Auditorium.

## Thursday, March 22

7:30 p.m. Cornell Contra Dance Club presents Morris Dance practice. Morris Dance teams for beginning and experienced dancers. Martha Van Rensselaer NG-35.

8 p.m. \*Cornell Cinema presents "Go West." Spring Series. Uris Hall Auditorium.

## Friday, March 23

4:15 p.m. Coalition for the Right to Eat general meeting/study group. Anabel Taylor Forum.

8 p.m. \*Cornell Cinema presents "Bringing Up Baby." Uris Hall Auditorium.

## Saturday, March 24

4:30 p.m. Catholic Sacrament of Reconciliation. Anabel Taylor G-24.

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

8 p.m. \*Cornell Cinema presents "City Lights." Spring Series. Uris Hall Auditorium.

## Sunday, March 25

9:30, 11 a.m. & 5 p.m. Catholic Eucharist. All welcome. Anabel Taylor Auditorium.

9:30 a.m. Episcopal Eucharist Worship Service. Faculty, staff and families welcome. Church School and nursery care. Coffee hour following service in Founders Room. Anabel Taylor Chapel.

10 a.m. Ithaca Society of Friends (Quakers). Discussion and First Day School. Babysitting provided. Anabel Taylor Forum.

10:45 a.m. The Lutheran Church Worship Service. Nursery care provided. Coffee hour following the service. Church school prior to service at 9:30 a.m. 109 Oak Avenue.

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

11:15 a.m. Protestant Church at Cornell. Anabel Taylor Chapel.

2 p.m. Korean Church at Cornell, Young M. Paik, Pastor. Anabel Taylor Chapel.

8 p.m. \*Cornell Cinema presents "It Happened One Night." Spring Comedies Series. Uris Hall Auditorium.

## Monday, March 26

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

12:30 -4:30 p.m. Writing Center's Walk-In Service. Rockefeller 302.

4:30 p.m. Geological Sciences Seminar: "Pediment Formation and Climatic Change," C.R. Twidale, Adelaide University. Thurston 205.

5-6 p.m. Zen Buddhist Meditation Group one hour zazen meditation. For more information call Tim at 539-7299 or Boyd at 277-1496. Anabel Taylor Edwards Room.

6 p.m.-12 midnight. Writing Center's Walk-In Service. Rockefeller 302.

7 p.m. Cornell Karate Club (Shotokan) beginners class. All welcome. Martha Van Rensselaer Auditorium.

7:30 p.m. Food Science 150 Seminar: "Variations in the Quality of Raw Products?" W.F. Shipe, Food Science. Uris Hall Auditorium.

7:30 p.m. America and World Community: "How TV Alters the Thought Environment," Rose Goldsen, Sociology. Anabel Taylor One World Room.

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

8-11 p.m. Cornell Country Dance Club presents contra dance with live music. All dances taught. Beginners welcome. Straight Memorial Room.

9 p.m. \*Cornell Cinema presents "Zabriskie Point." Film Club members only. Uris Hall Auditorium.

## Tuesday, March 27

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

12:30-4:30 p.m. Writing Center's Walk-In Service. Rockefeller 302.

4:15 p.m. Food Science Seminar: "Technology Transfer in Food and Nutrition - Can We Make It Work?" Robert Cotton, ITT Continental Baking Company, Rye, NY. Stocking Hall Auditorium.

4:30 p.m. Geological Sciences Seminar: "Tectonics of East European Alpine System," B.C. Burchfiel, Massachusetts Institute of Technology. Thurston 205.

4:30 p.m. Department of City and Regional Planning Lecture: "Health Services Cost Control: Regulatory Approaches and Their Effectiveness," J.G. Atkinson, Maryland Health Services Cost Review Commission. West Sibley 102.

5 p.m. Southeast Asia Film Series: "Peasant Ecology in Rural Philippines," scenes of rural life. "Hanunoo," swidden cultivators of Mindanao. Morrill 106.

5 p.m. Cornell Karate Club (Shotokan) beginners class. All welcome. Martha Van Rensselaer Auditorium.

5:15 p.m. Catholic Eucharist. All welcome. Anabel Taylor G-19.

6 p.m.-midnight. Writing Center's Walk-In Service. Rockefeller 302.

7:30 p.m. Twig Bible Fellowship sponsored by The Way of Cornell. Balch Unit 2 study lounge.

7:30 p.m. Folk Dancing for couples. Singles, beginners, all ages welcome. Martha Van Rensselaer Auditorium.

8 p.m. Architecture College Spring Lecture Series, Arthur Drexler. Franklin 115.

8 p.m. \*Cornell Cinema presents "F for Fake." Portraits Series. Uris Hall Auditorium.

8 p.m. Joint Astronomy and Physics Colloquium. Special Einstein Series: "Einstein's Reckless Route to Relativity," Thomas Gold, John L. Wetherill Professor of Astronomy and Director of the Center for Radiophysics and Space Research at Cornell. Alice Statler Auditorium.

## Wednesday, March 28

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

12:30-4:30 p.m. Writing Center's Walk-In Service. Rockefeller 302.

12:30 p.m. Lutheran Eucharist Service. Anabel Taylor G-15.

2:30-4 p.m. Joint Astronomy and Physics Colloquium. Special Einstein Series: "Gravitational Waves and General Relativity," Saul A. Teukolsky, Astronomy and Physics at Cornell. Statler Auditorium.

3:30-5 p.m. CPIRG meeting: important for all members. Strategies for Truth-in-Testing, Housing workshops, Auto Repair Guide, Food pricing survey. Volunteers needed. Anabel Taylor 316.

4:15 p.m. China Japan Program presents Japanese Free Film Series: "The Face of Another" (Teshigahara, 1956). Uris Hall Auditorium.

4:15 p.m. Society for the Humanities Lecture: "Elephantiasis of the Renaissance," Donald Lach, History, University of Chicago. Goldwin Smith Hollis Cornell Auditorium.

4:30 p.m. Joint Astronomy and Physics Colloquium. Special Einstein Series: "Experimental Challenges Posed by Einstein's General Theory of Relativity," Irwin I. Shapiro, Geophysics and Physics, Massachusetts Institute of Technology. Baker Auditorium.

5 p.m. Wilderness Reflections meeting. Straight Loft 2.

6 p.m.-midnight. Writing Center's Walk-In Service. Rockefeller 302.

7 p.m. Cornell Karate Club (Shotokan) beginners class. All welcome. Martha Van Rensselaer Auditorium.

7 p.m. Johnson Museum of Art Film Program presents recent films by Cornell students made in the Theatre Arts Department. Johnson Museum.

7:30 p.m. International Folk Dancing. Teaching for beginners 7:30-9 p.m.; requests 9-11 p.m. Straight Memorial Room.

7:30 p.m. America and World Community: "How TV Alters the Thought Environment," Rose Goldsen, Sociology. Anabel Taylor One World Room.

8 p.m. \*Cornell Cinema presents "The Crime of Monsieur Lange." Masters of Style Series. Uris Hall Auditorium.

8:15 p.m. Department of Music presents "New World Consort: Music of Medieval Jewry." Vocal and instrumental songs of the Middle Ages; 13th century Sephardic liturgical drama "The Binding of Isaac." Jewish Arts Festival event. Barnes Auditorium.

## Thursday, March 29

9:30 a.m. Society for the Humanities Colloquium: "Methodological Problems of Intercultural Relations," Donald Lach, History, University of Chicago. A.D. White House 201.

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

12:30-4:30 p.m. Writing Center's Walk-In Service. Rockefeller 302.

12:15 p.m. Women's Studies Graduate/Faculty Colloquium: "The Revolutionary Experience of American Women: 1750-1800," Mary Beth Norton, History. Uris Hall 494.

4:30 p.m. Astronomy and Space Sciences Colloquium: "The Dynamics of the Rings of Saturn and Uranus," Scott Tremaine, The Institute for Advanced Study, Princeton. Space Science 105.

4:30 p.m. Microbiology Seminar: "The Potential of Insect Pathogenic Viruses as Viral Insecticides," Robert Granados, Boyce Thompson Institute, Cornell. Stocking 124.

4:45 p.m. Cornell Campus Council meeting. Clark 701.

5:15 p.m. Catholic Eucharist. All Welcome. Anabel Taylor G-19.

6 p.m.-midnight. Writing Center's Walk-In Service. Rockefeller 302.

7 p.m. Cornell Karate Club (Shotokan) beginners class. All welcome. Martha Van Rensselaer Auditorium.

7 p.m. The Christian Science Organization welcomes students, staff and campus visitors to the weekly readings and testimonies meeting. Anabel Taylor Founders Room.

7:30 p.m. Twig Bible Fellowship sponsored by The Way of Cornell. Balch Unit 2 study lounge.

7:30 p.m. Cornell Contra Dance Club presents Morris Dance practice. Morris Dance teams for beginning and experienced dancers. Martha Van Rensselaer G-35.

8 p.m. Colonel Yonatan Netanyahu Memorial Lecture: "The

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