

Cornell Chronicle

Volume 11, Number 23

March 13, 1980

Several Renovation Projects Okayed *Computing Capacity Is Expanded*

Academic building renovations, warehouse construction, parking lot and bus transportation improvements and extension of the steam distribution system are among projects approved last week by the University Board of Trustees.

Authorized by the trustees were \$540,000 in improvements for Rockefeller and Goldwin Smith Halls, the next phase in a four-year renovation program at the academic buildings.

A new Maintenance and Service Operations warehouse, which is expected to cost \$179,000, is the second such facility to be built as part of a

See related stories on Pages 6, 8.

plan to consolidate inventories and improve productivity in that department.

The transportation improvement program follows the recommendations of the University Office of Transportation Services and the Campus Council's Committee on

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In the Statler Ballroom, the full Board of Trustees holds an open meeting.

Proxy Committee Plans Open Hearing *Information Sought on Resolutions*

An open hearing scheduled by the Cornell University Investment Proxy Committee for 10 a.m. Monday, March 24, in the Willard Straight Memorial Room will seek information on more than 40 shareholder resolutions.

Persons or groups wishing to make written comments for use by the Investment Proxy Committee or oral presentations at the open meeting may contact Dominic Verge at the University Radiation Biology Laboratory, 256-4862.

Issues of 1980 shareholder resolu-

tions are listed by topic and corporation.

South Africa:

Adopt the Sullivan Principles, Baxter-Travenol; establish a review committee for South African operations, Caterpillar Tractor; withdraw from South Africa, Eastman Kodak, IBM, and Union Carbide; no expansion in South Africa, Exxon and Mobil; sales to South African police and military, Ford, General Motors, Mobil, Standard Oil of California, and Texaco; South African labor practices, Ford and International Minerals and

Chemicals; loans to South Africa, Wells Fargo.

Nuclear Power:

No nuclear plants, Commonwealth Edison and Duke Power; halt uranium mining and nuclear development, General Electric; prohibit sale of Morris operation to the federal government, General Electric.

Other Issues:

Domestic oil pricing, Exxon and Mobil; nuclear weapons production, DuPont, General Electric, and Union Carbide; marketing of infant

formula, Abbott Labs and Bristol-Myers; no expansion in Chile, Atlantic Richfield; stop loans to Chile, Wells Fargo.

Also, advertising to children and nutritional policy, General Foods; sales to Communist bloc countries, IBM; criteria for foreign investments, Mobil; hazardous wastes, Standard Oil of California; domestic land reform, Standard Oil of California; equal employment opportunity policy, Standard Oil of Indiana; composition of the board of directors, Union Oil; secret ballots

in stockholder voting, Chase Manhattan and Standard Oil of California; neighborhood revitalization, Chase Manhattan; and political action committee, General Motors.

Also, policy regarding former government employees, Bristol-Myers; political nonpartisanship, General Electric; dealings with schools that restrict CIA contacts, General Electric, IBM, Standard Oil of California and Texaco; schools employing avowed Communists, General Foods and IBM.

Federal Mediator Enters Talks Between University and Union

A federal mediator has entered negotiations between the University and the union representing 36 striking employees of the heating, water filtration and chilled water plants.

The strike is in its 11th day today.

A commissioner from the Federal Mediation and Conciliation Service notified both the University and Local Union 71-71A of the International Union of Operating Engineers last Friday that the federal agency had decided to enter the talks as a mediator.

Talks with the commissioner, Robert Bowling of the Syracuse regional office, were held Sunday, Monday and Tuesday, and have been adjourned until today.

At a news conference Saturday after the Board of Trustees meetings held here the two

preceding days, Senior Vice President William G. Herbster said that while many issues on the negotiating table have been resolved, the two parties are "miles apart" on the issue of wages.

Gary J. Posner, director of University Personnel Services, said, "With the assistance of the federal mediator, the parties are continuing to discuss a multi-year contract; however, the overall issue of the average wage percentage increase remains the major stumbling block to settlement."

Posner said the union has consistently refused the university's requests to return its 36 members to work while negotiations are in progress.

Jason Seley Will Become Dean Of College of Architecture

Jason L. Seley is the new dean of the College of Architecture, Art and Planning, effective July 1, 1980, subject to confirmation by the University's Board of Trustees.

His nomination was presented at a meeting of the college faculty yesterday noon when his name was proposed by President Frank Rhodes.

Seley, a nationally known sculptor and a former chairman of the Department of Art in the college, succeeds Kermit C. Parsons, who has been dean since 1971.

In announcing his selection, Rhodes said, "Jason Seley did an outstanding job when he served as acting dean during a sabbatical of Dean Parsons for one academic term in 1977, and served with distinction as chairman of

the Art Department for a five-year term from 1968 to 1973.

"He has the confidence of the college faculty, and I am convinced will be a worthy successor to Dean Parsons, after his fine years in the post."

Seley, a 1940 graduate of Cornell, joined the faculty here in 1968. He was on the faculty at Hofstra University from 1953 to 1965, and was a professor and artist-in-residence at New York University from then until he came to Cornell.

His sculpture has been shown in major museums and has received international acclaim. He is particularly well known for his works using automobile bumpers.

March 13, 1980

Campus Life Units Present Budgets

Health Services Include 'Wide-Ranging Changes'

Representatives from the various units in the Division of Campus Life presented their budgets to the Campus Council at its meeting last week.

Leonard Nissenson, Health Services administrator, said that the 1980-81 program budgets for Health

gynecological care for female students.

Several council members expressed concern about the inappropriateness of the title of the unit and its implications for a sexist philosophy. Some members suggested that it implied a greater

Campus Council

Services "reflect the wide-ranging changes envisioned from now through 1984-85."

Major program changes described by Nissenson include a new women's health care unit. According to Nissenson, the new unit will offer regular examinations, contraceptive services and

responsibility for contraception and even for transmission of sexually related diseases on the part of women than of men. Nissenson reported an awareness of these problems and plans to change the unit's name. Nissenson also said that another goal of Health Services is to expand the patient population by including

Retirement Contribution Extended to Summer

An amendment to the University's TIAA-CREF retirement plan will make it possible for the University to extend its contribution for endowed faculty and academic staff on regular academic-year appointments to summer employment at Cornell.

The action came at the meeting of the Board of Trustees here last week.

Under the amendment, which is effective July 1, the extended contributions are mandatory if a summer salary is paid from University funds and is paid at the same rate as during the academic year. They are "permissive" when summer salary and the retirement contribution is paid from grants or contracts and paid at the same rate as during the academic year.

Stipends or other payments for personal services which are not at the rate paid during the academic year are not considered summer salary in this amendment. Also excluded are stipends paid for

teaching during the Summer Session and honoraria or stipends for services in special programs.

At present, contributions to TIAA-CREF for endowed faculty and academic staff on regular academic-year appointments are made only on the salary for the academic year.

Concern about such contributions has been expressed by a number of faculty members who regularly obtain grants or contracts for summer research and receive summer salaries on outside funding.

The amendment is in keeping with a recommendation made last year by an ad hoc committee on ways of increasing outside research support to the University.

The committee recommended that "faculty seeking summer support through sponsored research grants and contracts... be permitted to include in their proposals authorized fringe benefit contributions to the retirement program."

People

Robert J. Smith, the Goldwin Smith Professor of Anthropology, will deliver the Lewis Henry Morgan Lectures at the University of Rochester on March 18, 20, 25, 27. The series title is "Cultural Continuity and the Shadow of the Past in Japanese Society." The Morgan Lectures were inaugurated in 1963 and are given annually.

John C. Sanford has been appointed assistant professor of pomology in the Department of Pomology and Viticulture at the Geneva Experiment Station. Sanford will be responsible for the development of cultivars (varieties) of strawberries, brambles, and other small fruit crops adapted to New York conditions.

Cornell Chronicle

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Cornell faculty, staff and their adult dependents on a voluntary fee-for-service basis.

Health Services will also expand orthopedic, athletic medicine and physiotherapy services as well as the health education program.

William E. Wendt, director of transportation services, said that the office has developed a plan for 1980 which would increase campus parking, expand bus service, revise and increase fees, present a more equitable permit processing policy

and implement carpooling incentives. He also said that capital improvements total \$500,000. (For a complete text of the plan, see Chronicle of Feb. 21.)

Lauren Brisky, acting director of Cornell Dining, said that there are several capital improvements that are still in the planning stages or very tentative. Those included are renovation of the Big Red Barn, the Pancake House kitchen, the Stone Palace, Risley Dining and Balch Dining.

Brisky also said that there will be a 5.9 percent increase in coop dining next year.

Other budgets presented included those of the Department of Residence Life, Dean of Students, CURW, University Unions and Cornell Campus Store.

The council will vote on the various budgets at its meeting today at 4:45 p.m. in 701 Clark Hall.

Trustee Nominations Sought

The Campus Council is soliciting suggestions for nominees to fill one of three outside trustee positions on the Board of Trustees.

Representatives of the council and the Nominating Committee of the Board of Trustees are jointly responsible for nominating candidates.

Nominees should be persons who are not presently associated with the University as students, faculty or employees. The position is a four-year term commencing July 1, 1980.

Nominations, accompanied by as

much biographical data as possible, should be delivered or mailed to the Campus Council Office, 133 Day Hall, by April 4, 1980.

The current outside trustees are William E. Gordon, dean of the school of natural sciences at Rice University, whose term is expiring; Mary Christian, director of education, Hampton Institute; and Samuel Pierce, partner in the New York City law firm of Battle, Fowler, Lidstone, Jaffin, Pierce & Kheel.

Libraries Set Spring Recess Schedules

March 15 through March 23

LIBRARY	Saturday March 15	Sunday March 16	Monday March 17	Tuesday March 18	Wednesday March 19	Thursday March 20	Friday March 21	Saturday March 22	Sunday March 23
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	5:30P-11P
ILR	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	1P-11P
*Law	Closed	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	11A-12P
Mann	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	9A-1P	6P-11P
***Mathematics	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	Closed	6P-11P
Music	Closed	Closed	9A-5P	9A-5P	9A-5P	9A-5P	9A-5P	Closed	Closed
**Olin	9A-1P	Closed	8A-5P #	8A-5P #	8A-5P #	8A-5P #	8A-5P	9A-1P	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	1P-5P	12N-12M
Veterinary	9A-1P	Closed	8A-5P	8A-5P	8A-5P	8A-5P	8A-5P	9A-1P	6P-11P

* March 14, 1979 open 8A-5P

** March 14, 1979 open 8A-6P

*** March 14, 1979 open 8A-10P

Open 5P-10P for study purposes only

2/26/80

Jobs

Office Machine Oper., NP-7 (Animal Sci.)	Prop./NYS Agric. Exp. Sta., Geneva
Clerk III, NP-7 (Hum. Ec./Records & Sched.)	Technical
Service & Maintenance	Tech., GR18 (Avian & Aquatic An. Med., Kingston, NY)
Cook, GR21 (Dining Svcs.)	Res. Tech. III, NP-12 (Veg. Crops)
Cook, GR18 (Dining Svcs.)	Administrative/Professional
Material Handler, GR18 (Dining Svcs.)	Dir. of Lab. Operations I, CPO8 (Diag. Lab./Equine Drug Testing-Monticello Raceway)
Food Service Worker, GR17 (Dining Svcs.)	Counselor, CPO4 (Counseling/Div. of Student Services)
Dishmachine Operator, GR16 (Dining Svcs.)	Res. Supp. Spec. I, CPO3 (Plant Breed. & Biomet.)
Custodian, GR16 (Dining Svcs.)	Res. Supp. Spec. I, CPO3 (Prev. Med.)
Cashier, GR15 (Dining Svcs.)	Teaching Support Spec. I, Food Service Instructor, CPO2 (Hotel Admin.)
Food Service Worker, GR14 (Dining Svcs.)	Part-time and/or Temporary
Maint. Mech., GR20 (Hotel School)	Tech. Asst., GR17 (Ecol. & Syst.)
Material Handler, GR18 (Univ. Press)	Laundry Attndt., GR15 (General Svcs. Laundry)
Office Asst./Tavern Supervisor, GR17 (Univ. Unions-NCU)	Temp. Svc. Clerk (Investment Office)
Custodian, GR16 (Bldg. & Grounds Care)	Temp. Svc. Labor (9) (Plant Breed. & Biom.)
Custodian, GR16 (Residence Life)	Temp. Svc. Labor (7) (Entomology-Geneva)
Heating Plant Worker, NP-8 (Bldgs. & Libs./Serials/Olin)	



This year's dragon for the architects' annual parade was two-headed, and is seen here on East Avenue last Friday.

Land Grant VP to Retire

Constance E. Cook, vice president for land grant affairs at the University since 1976 and a former member of the New York State Assembly from the 128th District, will retire from her Cornell position on June 30.

Cook said that "after a lifetime of working long hours at challenging jobs" she decided "to try a change of pace. I intend to look for part-time or consulting work which will allow me to taste a more leisurely way of life."

In her letter of resignation to Cornell President Frank Rhodes' Cook said "I have greatly enjoyed and benefited from working with you....I have enjoyed my association with everyone here and I leave

with a feeling of great fondness for the members of the staff."

Rhodes called Cook "a tireless worker and a strong advocate for Cornell throughout the State....(who) has played a leadership role in the development of University policy."

"Mrs. Cook has been a person of integrity, independent in outlook but deeply dedicated to the institutional welfare of Cornell, to the effectiveness of the political process and to the expansion of opportunities for all people to benefit from the resources Cornell has to offer."

Rhodes said "she carries with her the admiration, affection and gratitude of all of us."

Trustee Actions

Continued from Page 1

Transportation Services, which had suggested maintaining the concept of a pedestrian campus with limited parking and vehicular access, served by transit and peripheral parking facilities.

Among improvements approved by the trustees are construction of a 300-car parking lot near Lynah Rink and a new bus turn-around and passenger shelter at the intersection of Cascadilla Place and College Avenue. Costs of the transportation improvement program are expected to be recovered from parking fee revenues.

Also approved in the Friday meeting was an extension of the university's steam distribution system to serve the Biological Sciences facility now under construction at Lower Alumni Field. The extension, which is expected to cost some \$225,000, also can serve the Academic II Building proposed for construction at the Lower Alumni Field site by the College of Agriculture and Life Sciences.

Dormitory Projects

The next step in a five-year program of major maintenance and refurbishing of student housing facilities, including \$1,044,000 in renovations for the Baker dormitory complex, was authorized last week by the University Board of Trustees.

Also approved by the trustees, meeting in Ithaca, was spending some \$1,730,000 to convert Sage Infirmary and the adjoining Schuyler House into graduate student housing. The conversion project is expected to provide 150 much needed additional student

housing spaces at about one-half the cost of constructing new facilities, trustees were told.

Improvements to the Baker dormitory complex are part of a \$6 million housing renovation program begun by the University in 1978. The work will be accomplished during the summers of 1980 and 1981.

Use of Sage Infirmary and Schuyler House as health care facilities will terminate by the end of the current academic year.

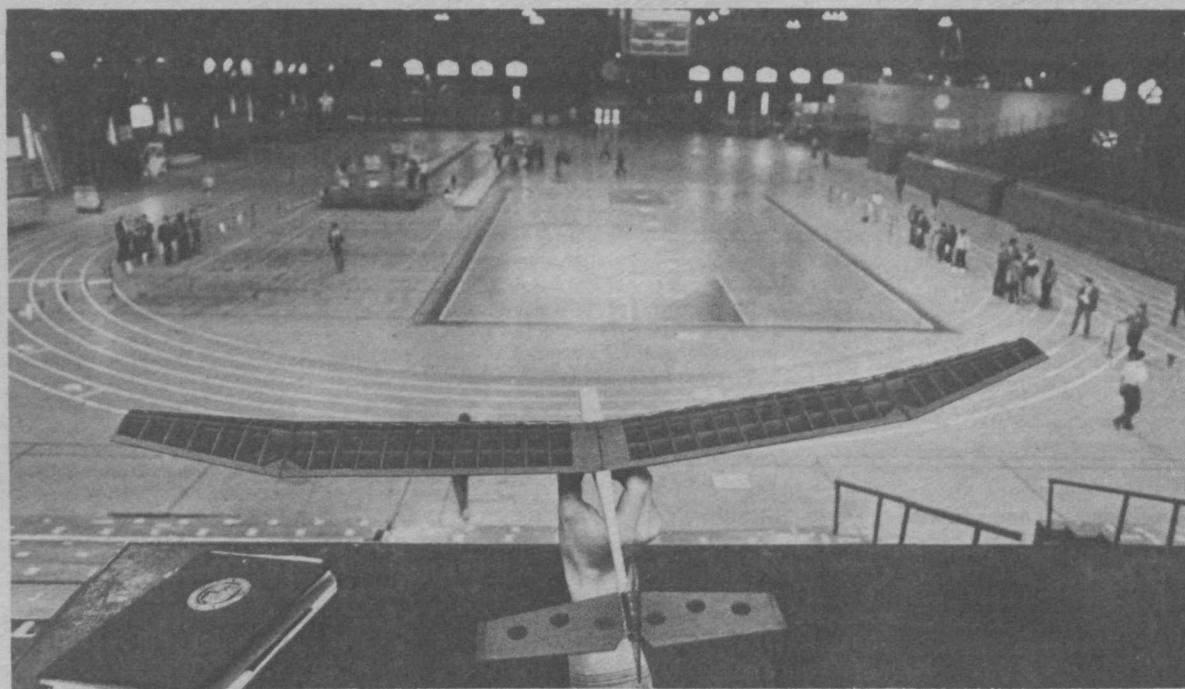
Computing Expanded

The University's computing capacity will be expanded after the authorization last Friday by the University Board of Trustees of a plan to spend up to \$771,000 for a new computer system.

Meeting in Ithaca, the trustees approved the purchase and installation of a Digital Equipment Corporation 2060 computer which is intended to augment the University's central computer, an IBM 370 168. Installation is expected during this summer.

Expanding the University's computing capacity is necessary because the central computer, which is used for research and instructional projects as well as administrative computing, has reached saturation and further upgrading options no longer are economically or technically desirable. The saturation has prompted stringent rationing of computer use during the current semester.

The new system is described as "user-friendly" and is expected to enhance the quality of instructional computing for the University's computer science courses while providing the necessary increase in capacity for the established system.



The hand belongs to Douglas Ruth '80 Eng. is about to launch his model, one of the more beautiful ones, in the Model Glider and Paper Airplane contest last Friday in Barton Hall. His creation failed to win a prize.

Some Gliders Were Not Cooperative

The model glider and paper airplane contest in Barton Hall Friday afternoon was a crashing success.

There were more than 100 entries launched into the open spaces of Barton Hall while some 400 spectators cheered and more often laughed as the paper missiles took uncooperative nosedives and even looped back into the feet of their designers.

But there definitely will be another one next year, bigger, better and longer, according to the officers of the student chapters of The American Institute of Aeronautics and Astronautics and The American Society of Mechanical Engineers which sponsored this year's event,

first of what is hoped will be an annual spectacular.

There were some spectacular successes this year. In the paper category, Todd Spindler, '80 Eng., won first prize for the longest flight, 11.8 seconds. The prize for distance went to Lawrence Kawano, '83 Arts, with a flight of 102 feet 5 inches. The paper planes were made on the spot from 8 1/2 by 11 inch sheets provided with the 50 cent entrance fee. A number of persons entered several times as their frustrations mounted.

The top winner was Gary A. Armitage, '81 Eng., who won both prizes in the open category with a

balsa wood glider that flew for 15.8 seconds over a distance of 176 feet 5 inches.

The prizes were a flying lesson for top distance and a sailplane ride for endurance. They were donated by the East Hill Flying Club and the Ithaca Soaring Club.

The open category which only stipulated that the model fit into a two-foot square box attracted several rather ingenious entries: a down feather and a soap bubble.

The soap bubble landed after 8.6 seconds of soaring time, far out of the running for the endurance record. Its owner, according to the rules, had two more launches to try for the record. He said it wasn't worth the effort to reassemble the bubble that had burst along with his dreams.

William Kane, '80 Eng., won the endurance record hands down with a down feather which drifted aimlessly about for 28 seconds. He magnanimously withdrew, commenting that "Engineers like you to build things, they don't care about ideas."

He was given an honorable mention for the most original entry.

As might have been expected, a faculty member had the last word. David R. Caughey, assistant professor of mechanical and aerospace engineering, faculty advisor to the AIAA, launched an unofficial entry. His balsa wood glider flew more than 200 feet and stayed aloft for nearly 16 seconds.

Vet Open House Scheduled

"Veterinary Medicine: A Progressive Profession" is the theme of the 14th annual open house scheduled for 9 a.m. to 4 p.m. Saturday, April 12, by the State College of Veterinary Medicine.

Organized by veterinary medicine students at the college, the free open house each year attracts thousands of visitors from New York and surrounding states and Canada, including families, school and 4-H groups, farmers and persons interested in entering the profession.

Demonstrations of surgical techniques, animal obedience training

and preventive medicine are part of the open house along with exhibits on the care and nutrition of animals. Visitors will have ample opportunity to mingle with animals of all shapes and sizes including the perennial favorite, the cow with the "window" in its stomach.

Traditionally, veterinary medicine has dealt with problems of prevention, diagnosis and treatment of disease in domestic animals, but wildlife and aquatic animals are becoming increasingly important concerns of the profession, according to Edward C. Melby Jr., dean of the college.

March 13, 1980

Calendar Of Events

All items for publication in the Calendar section, except for Seminar notices, must be submitted by mail or in person to Fran Apgar, Central Reservations, 532 Willard Straight Hall, at least 10 days prior to publication. Seminar notices should be sent to Barbara Jordan-Smith, News Bureau, 110 Day Hall, by noon Friday prior to publication. Items should include the name and telephone number of a person who can be called if there are questions, and also the subheading of the Calendar in which it should appear (lectures, colloquia, etc.) ALL DEADLINES STRICTLY ENFORCED.

*—Admission charged.

Seminars

Africana Center: "South Africa—White on White: Conflicts and Contradictions in the Development of Racial Policies and Attitudes in the First Two Centuries of White Occupation," J. Congress Mbata, 6 p.m. Monday, March 24, main lounge, Africana Center, 310 Triphammer Road.

Antibody Club/Vet Micro 710: "Antibody-Forming Cell Repertoire: Its Expression and Regulation Probed by Cell Hybridization," Richard Bankert, Roswell Park Memorial Institute, Buffalo, 4:30 p.m. Thursday, March 13, James A. Baker Institute, Snyder Hill.

Agricultural Engineering/Environmental Studies: "Utilizing Sewage Sludge on Agricultural Land," Lee Jacobs, Michigan State University, 1:15 p.m. Wednesday, March 26, 105 Riley-Robb.

Biochemistry: "Chromatin Structure and Gene Activity in Drosophila," Sarah Elgin, Harvard University, 4:30 p.m. Friday, March 14, 204 Stocking Hall.

Biochemistry: "Biosynthesis of Membrane Lipids: Enzymic and Topological Studies," Eugene Kennedy, Harvard University, 4:30 p.m. Friday, March 21, 204 Stocking Hall.

Boyce Thompson Institute: "Structural and Functional Properties of the E. Coli Origin of DNA Replication," Y. Hirota, National Institute of Genetics, 3:15 p.m. Thursday, March 13, Auditorium, Boyce Thompson Institute.

Boyce Thompson Institute: "Genetics and Molecular Biology of Baculoviruses," L. Miller, University of Idaho, 3:15 p.m. Monday, March 17, Auditorium, Boyce Thompson Institute.

Boyce Thompson Institute: "Genetic Control of Enzymes Involved in a-Glycerol-Phosphate Cycle in Drosophila Melanogaster," R. MacIntyre, 3:15 p.m. Wednesday, March 19, Auditorium, Boyce Thompson Institute.

Boyce Thompson Institute: "Fine Structure of the Chloroplast Genome," Laurence Bogorad, Harvard University, 3:15 p.m. Wednesday, March 26, Auditorium, Boyce Thompson Institute.

Chemistry, General: "Liquidons and Gasons: Controversies About the Continuity of States," J.M.H. Levelt Sengers, National Bureau of Standards, 4:40 p.m. Thursday, March 13, 119 Baker Laboratory.

Chemistry, General: "Steric Hindrance and Electron Deficiency in Compounds of Molybdenum and Tungsten," Jon McCleverty, University of Sheffield, England, 4:40 p.m. Thursday, March 20, 119 Baker Laboratory.

Chemical Engineering: "Upgrading Heavy Crudes to Clean Products," John Sosnowski, Exxon, 4:15 p.m. Friday, March 14, 145 Olin Hall.

Education: "An Eclectic Approach to Curriculum Development in Biology Education," Margaret Waterman, 4:30 p.m. Monday, March 24, Stone Hall Lounge.

Floriculture and Ornamental Horticulture: "Nutrition in Controlled Environment Production," Billy Vinzant, 12:15 p.m. Thursday, March 13, L.H. MacDaniels Lecture Room, 27 Plant Science.

Food Science: "Fatty Acids and Prostaglandins," John E. Kinsella, 4:30 p.m.

Tuesday, March 25, 204 Stocking Hall.

Graduate Women in Science: "Agriculture and Rural Development in Chad," Jack and Judy King, 8 p.m. Thursday, March 13, 135 Emerson.

JUGATAE: "Stethorus punctum (Coccinellidae) as a Biological Control Agent for Phytophagous Mites in Apple Orchards," Marilyn Houck, 4 p.m. Monday, March 24, 100 Caldwell Hall.

Material Science: "Pressurized Water Reactor Out of Core Materials," Frederick Pement, Westinghouse, 11:15 a.m. Friday, March 14, 140 Bard Hall.

Material Science: "The Process of Ceramic Materials Selection—Frequently a Haphazard Approach to an Important Decision," Jay Comofero, Accuratus Ceramics Corp., 11:15 a.m. Monday, March 24, 140 Bard Hall.

Material Science: "Molecular Beam Epitaxy—A Versatile Tool for Semiconductor Fabrication," Colin Wood, 11:15 a.m. Wednesday, March 26, 140 Bard Hall.

Materials Science and Engineering: "Processing of Thin Film Material," IBM, Yorktown Heights, 4:30 p.m. Friday, March 14, 140 Bard Hall.

Mechanical and Aerospace Engineering: "Nonlinear Transport Properties of Some Biological Connective Tissues," V.C. Mow, RPI, 4:30 p.m. Tuesday, March 25, 282 Grumman.

Music: "Beethoven's Piano Concerto No 4 in G Major," Edward T. Cone, Princeton University, Andrew D. White Professor-at-Large, 10:10 a.m. Monday, March 24 and Friday, March 28, 321 Lincoln Hall.

Natural Resources: "Federal Research on Fishery Issues in the Great Lakes," Joseph Kutkun, director, Great Lakes Fishery Laboratory, Ann Arbor, Mich., 4 p.m. Thursday, March 13, 304 Fernow Hall.

Near Eastern Studies and German Literature: "Yiddish Poetry in America: History and Future," Janet Hadda, UCLA, 4 p.m. Wednesday, March 26, 177 Goldwin Smith Hall.

Neurobiology and Behavior: "Structural Changes Following Transmitter Release at the Frog Neuromuscular Junction," Thomas Reese, NIH, 12:30 p.m. Thursday, March 13, Langmuir Lab, Penthouse.

Operations Research: "Factorization Identities for Markov Chains," V.G. Kulkarni, 4:30 p.m. Tuesday, March 25, 305 Upson Hall.

Plant Physiology: "Structure and Function of Salt Glands," Neil Campbell, 11:15 a.m. Friday, March 14, 404 Plant Science.

Science, Technology and Society: "History of Biological Attitudes Towards Sex Differences," William Provine, noon, Tuesday, March 25, 609 Clark Hall.

Theatre Arts and German Literature: "Brecht's Film Aesthetic," Joachim Dyck, Freiburg University (West Germany), 4:30 p.m. Thursday, March 13, 183 Goldwin Smith Hall.

Lectures

Thurs., March 13, 8 p.m. A.D. White House. "Seventeenth-Century Prose in England," Brian Vickers, Center for Renaissance Studies, Zurich. Co-sponsored by the Renaissance Colloquium and Literature Club.

Thurs., March 20, 11 a.m. Vet Research Tower G-3. HPLC Symposium: "State-of-the-Art HPLC Automation," John Banks, product specialist, Kratos/Schoeffel Instruments. Lecture will be followed by a demonstration in room 706 Vet Research Tower of Kratos/Schoeffel Automated HPLC system including UV absorption detection and fluorescence detection.

Mon., March 24, 4 p.m. Barnes. Music Department Lecture: "Gregorian Chant - Fact and Fiction," Anthony Milner.

Tues., March 25, 4:30 p.m. A.D. White House Guerlac Room. Society for the Humanities "The Poet in the Age of

Tuesday, March 25, 204 Stocking Hall. "Prose," Erich Heller, German, Northwestern University.

Tues., March 25, 4:30 p.m. Kimball B-11. "Sage Disposal of High Level Nuclear Waste: A New Strategy," A.E. Ringwood, director, Research School of Earth Sciences, The Australian National University, and A.D. White Professor-at-Large. The public is invited.

Tues., March 25, 8 p.m. Anabel Taylor Auditorium. Hillel Lecture: "Peace Prospects After Camp David," Dr. Ze'ev Begin.

Wed., March 26, 4:30 p.m. Ives 217. University Lecture: "Work, Workers, and Political Economy in Early Modern Germany," Mack Walker, History, The Johns Hopkins University.

Wed., March 26, 8 p.m. Lab of Ornithology, 159 Sapsucker Woods Road. The Finger Lakes Group of the Sierra Club Lecture: "Love Canal: Poisons From Our Past/Danger For Our Future," Richard Lippes, Atlantic Chapter of the Sierra Club. Rides available from the front of Willard Straight at 7:30 p.m.

Thurs., March 27, 4 p.m. Goldwin Smith Hollis E. Cornell Auditorium. "Toward a National Urban Policy," Carol Bellamy, president, City Council, New York City. Kappa Alpha Theta Lecture.

Thurs., March 27, 4:30 p.m. Goldwin Smith "D." "The Menace of Ideas," Denis Donoghue, The Henry James Professor of English Letters, New York University. The Society for the Humanities and the Department of English.

Announcements

Writing Center's Walk-In Service Monday through Thursday, 2-4 p.m. and 7:30-10 p.m.; Sunday 3-8 p.m. Closed Friday and Saturday. Rockefeller 302.

Safety Shoe Mobile Visit Employees will have an opportunity to buy special safety shoes from a mobile shop scheduled to be parked on campus at Stocking Hall, 9 a.m.-12 noon, and Southeast Statler 1 p.m.-4 p.m. on Thursday, March 13. Additional information may be obtained by calling Alex McCord, Department of Life Safety, 256-3741.

Training Workshops for Math and Science Teachers The Education Department of the H.F. Johnson Museum is offering training workshops for area teachers in Math and Science on March 6 & 13 from 6:30-8:30 p.m. Workshops are held in the museum galleries and are open to teachers of any subject. A \$10 fee covers materials and includes the handbook "Museum in the Schools." To register, pick up forms at area educational institutions or call the Education Department at 256-6464. Please contact Vas Prabhu, Acting Coordinator of Education for further details.

Music

Music by regional composers will be presented in a Festival of Contemporary Music concert at 8:15 p.m. Tuesday, March 25, in Barnes Hall. The concert is free and open to the public.

The program includes two premieres: Etude (1979) by William Pottebaum, a professor of composition at SUNY Brockport, will be played by pianist Brian Israel, Syracuse University professor and Cornell DMA graduate; Sonata for Cello and Piano (1976-78) by Cornell composer Robert Palmer will feature Ithacan Carey Beth Hockett, cello, with Israel as pianist. It will be the first American performance of Palmer's Cello Sonata, which will have its world premiere at the American Academy in Rome, Italy on March 19 by Frances Uitti and Yvar Mikhashoff.

Another Cornell composer, Karel Husa, will have his 1972 Sonata No. 2 played by Mary Ann Covert, Ithaca College pianist.

An unusual composition to be performed is Joel Chadabe's Scenes From



The John N. Echols Collection on Southeast Asia has been enriched by a recent gift from Prince Norodom Sihanouk of Cambodia after he spoke here Feb. 26: a case image of Hanuman, the Monkey King, a character in the Indian epic 'The Ramayana.' Examining the gift George C. Hildebrand '71; Sina Than, a graduate student in international agriculture and the only Cambodian student at Cornell; Ed Wells, a graduate student in city and regional planning who helped organize Cornell's Cambodian Relief Aid efforts, and Giok Fo Oey, curator of the Echols Collection in Olin Library.

Stevens, a work for computerized tape and slides.

A 1952 Serenade for two strings and two winds completes the program. Instrumentalists are Barbara Rabin, clarinet, Jean Hamilton, horn, with Boatwright as violinist and Carey Hockett, cellist. The composer, a one-time student of Paul Hindemith at Yale University, is a member of the faculty of the Syracuse School of Music, where he has also served as dean.

The concert is supported in part by grants from Meet the Composer, the National Endowment for the Arts and the New York State Council on the Arts.

Beethoven's Fourth Piano Concerto will be performed and discussed by Edward T. Cone, A.D. White Professor-at-Large, at 4:15 p.m., Thursday, March 27, in Alice Statler Auditorium. The repertory includes such diverse roles as Donizetti's "La Favorita," Lady Macbeth in Verdi's "Macbeth," Meyerbeer's "L'Africaine," Delilah in Saint-Saëns' "Samson and Delilah" and Azucena in Verdi's "Il Trovatore."

During the 1975-76 season, Verrett won acclaim by singing both Norma and Adalgisa in Bellini's "Norma." In the history of opera, only two other artists, Grisi and Lilli Lehmann, had sung both roles. "Norma" was first performed in Milan in 1831.

Verrett holds the notable honor of having appeared at the opening concerts of the two Lincoln Center concert halls—Philharmonic Hall (now known as Avery Fisher Hall) and Alice Tully Hall.

A prodigious recording artist, Verrett's most recent release is as Lady Macbeth in a full-length recording of "Macbeth."

Free bus service, beginning at 7:30 p.m. the night of the concert, will be provided between parking lot B and Bailey Hall with a stop at the Dairy Bar.

Paul Jordan, professor of music at the State University of New York at Binghamton, will present an organ and recorder concert at 8 p.m. Saturday, March 29, in Anabel Taylor Chapel.

The concert, sponsored by Cornell's Centre for Religion, Ethics and Social Policy, is to benefit the Waldorf School, a local affiliate of the world educational

March	1980						
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	30	31					

alternative school located at 1122 Ellis Hollow Road.

Works by J.S. Bach, Sinrich Scheidemann and Georg Philip Telemann will be among those performed by Jordan.

Tickets, at \$4 each, \$3 for senior citizens and students, are on sale at the Willard Straight Ticket Office, the Isle of You and at the door.

For further information about the Waldorf School, contact Caroline Chee at 257-0543.

Thurs., Mar. 13, 8:15 p.m. Barnes. Student recital: Reed-Smith, baritone, and Liam Mahoney, piano. Works of Handel, Schubert, Wolf, Webern.

Tues., Mar. 25, 8:15 p.m. Barnes. Syracuse Society for New Music (Contemporary Music Festival event). Works of Boatwright, Husa, Palmer.

Thurs., Mar. 27, 4 p.m. Statler Auditorium. Lecture-recital: Edward Cone, piano, with the Cornell Orchestra conducted by Edward Murray.

Beethoven Fourth Piano Concerto.

Thurs., Mar. 27, 8:15 p.m. *Bailey Hall. Faculty Committee on Music Concert: Shirley Verrett, soprano. Works of Schumann, Pergolesi, Diamond, Barber, others.

Religion

Monday through Friday, 12:15 p.m. Anabel Taylor G-19. Catholic Mass.

Every Friday, 1 p.m. Anabel Taylor Edwards Room. JUMA Prayers organized by the Muslim Educational and Cultural Association of Cornell.

Every Saturday, 5:15 p.m. Anabel Taylor Auditorium. Catholic Eucharist.

Every Sunday, 9:30 a.m. Anabel Taylor Chapel. Episcopal Eucharist Worship Service. Nursery and Church School provided. Faculty and students welcome. Coffee hour after.

Every Sunday, 9:30 & 11 a.m. Anabel Taylor Auditorium. Catholic Eucharist. Church school and nursery provided.

Every Sunday, 9:45 a.m. Anabel Taylor Edwards Room. Ithaca Society of Friends (Quakers) adult discussion followed by meeting for worship at 11 a.m.

Every Sunday, 10 a.m. Straight North Room. Korean Church at Cornell.

Every Sunday, 11:15 a.m. Anabel Taylor Chapel. Protestant Church at Cornell. Coffee and conversation after.

Every Sunday, 5 p.m. Anabel Taylor Auditorium. Catholic Eucharist.

Sat., March 15, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services.

Sat., March 22, 9:15 a.m. Anabel Taylor Edwards Room. Shabbat Services.

Religious Meetings

Every Thursday, 7 p.m. Anabel Taylor Founders Room. Christian Science Organization. Faculty, students, staff and visitors to campus are welcome at weekly readings and testimonies meeting.

Every Saturday, 4 p.m. Anabel Taylor Edwards Room. Cornell Chinese Bible Study Group meets for singing and Bible studies in English, Cantonese, and Mandarin. All welcome.

Every Sunday, 12:30 p.m. Anabel Taylor 218. Study and discussion hour on Islam. Organized by MECA of Cornell.

Every Tues., Thurs., Fri., 8 p.m. Highland House D-24. TWIG Bible Fellowship.

Every Thurs., 3:45 p.m. Anabel Taylor G-34. Basic Judaism with Rabbi Henry Morris.

Thursday

Mar. 13, 12:30-1:30 p.m. Anabel Taylor 314. Baha'i Association introductory informal presentations about the Baha'i Faith: "The Baha'i Faith in the Helping Relationship," Tim Warner. Bring a bag lunch.

Thursday

Mar. 27, 12:30 p.m. Anabel Taylor 314. Baha'i Faith presentation: "The Unity of Society," Stacy Fagan-Patton. Bring a bag lunch.

Sports

Saturday

Mar. 15, 2 p.m. Helen Newman. Cornell Women's Fencing-Hofstra.

Wednesday

Mar. 26, 3:30 p.m. *Schoellkopf. Cornell Men's Varsity Lacrosse-University of Massachusetts.

Meetings

Every Wednesday, 12 noon Barton Hall Naval ROTC Blockhouse. Diet workshop. Call 277-2113 or 272-7766 for information.

Every Wednesday, 7:30 p.m. Straight 528. Gay People at Cornell.

Every Thursday, 7:30 a.m. Anabel Taylor One World Room. Disarmament Study Group breakfast and discussion. Contact Anabel Taylor main desk for information.

Every Thursday, 7:30 p.m. Straight 528. Gay People at Cornell.

Every Thursday, 7:30 p.m. Stimson G-1. Jordani Natural History Society. For more information call 273-1573 or 257-2258.

Every Sunday, 2 p.m. Anabel Taylor 314. Anthroposophy Study Group. Currently studying Rudolf Steiner's "Theosophy." Call 272-3170 for information.

Every Sunday, 7:15-8:30 p.m. Statler Inn main lounge. "Tavola Italiana," conversation in Italian, and films or informal talks on Italy are planned.

Thurs. March 13, 4:45 p.m. Clark 701. Campus Council.

Thurs. March 13, 7:30 p.m. Anabel Taylor Edwards Room. D.S.O.C. (Democratic Socialist Organizing Committee).

Mon., March 17, 7:30 p.m. Mann Library Fourth Floor. Cayuga Lake Orchid Society with Professor Ingram speaking on "Literature on Orchids."

Mon., March 24, 12 noon to 1 p.m. Employees' Brown Bag Lunch to meet the candidates for Campus Council and Employee Trustee seats. 105 Space Science.

Wed., March 26, 12:15 p.m. Uris Hall 320. Southeast Asia Refugee Committee meeting open to all.

Wed., March 26, 8:30 p.m. Lutheran Church, Oak Ave. Overeaters Anonymous.

Intramural Sports

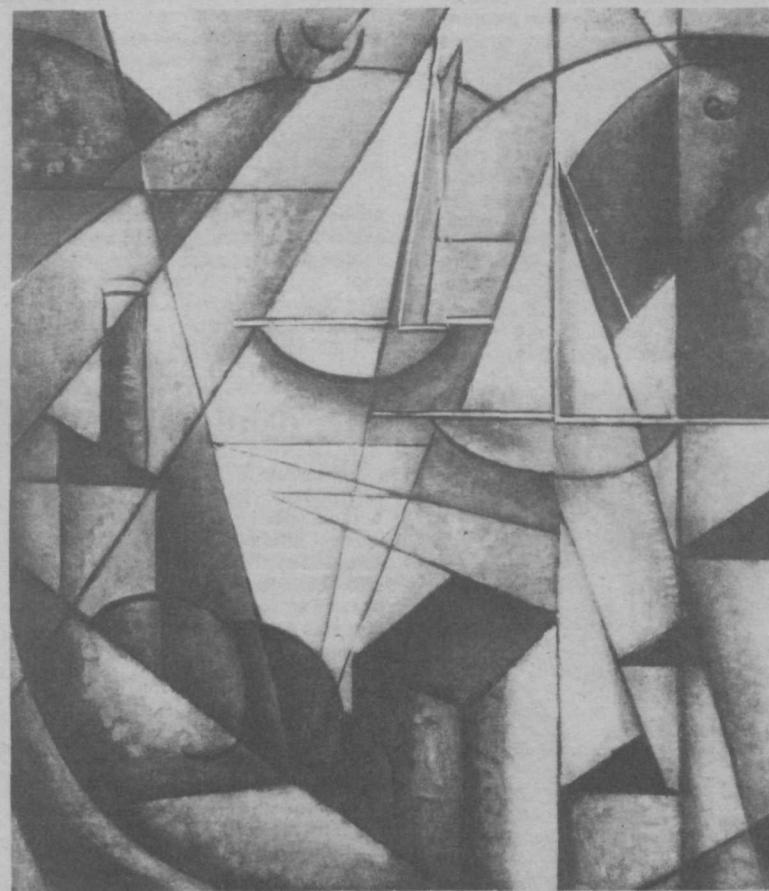
Box Lacrosse (Men, Women). The deadline on entries is Thursday, March 13, at 4 p.m. in the Intramural Office, Grumman Squash Courts Building. Minimum of 10 to enter, team consists of 6 players. A fee of \$25 per team to enter, due with your roster. Players must supply their own sticks. Round Robin Tournament. Specify your preferred day of play (1st, 2nd, 3rd choice). Monday through Friday afternoons and evenings, Sundays, and Saturdays, if necessary. Checks payable to the Dept. of Phys. Ed. & Ath., Intra. Div.

Horseshoes (Men, Women, Co-ed). Deadline on entries is Thursday, March 27, 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.

Wrestling Deadline on entries is Monday, March 31 at 5:30 p.m. in the Teagle Hall Locker Room. Weighing-in constitutes entry, and must be done by the individual between 2:30-5:30 p.m. Tournament starts Tuesday, April 1 at 5 p.m. No more than one person at each weight per team. Weights: 130, 145, 155, 165, 180 and heavyweight.

Exhibits

Paintings in colored ink by A.R. Ammons, the Goldwin Smith Professor of Poetry at Cornell University, will be exhibited at the Herbert F. Johnson Museum of Art from March 12 to April 13.



"**Sailboats 'Scene du Port,'**" by cubist painter Jean Metzinger (1882-1956) is among the recent additions to the permanent collection of the Johnson Museum. Purchase of the painting was made possible through the museum's Membership Purchase Fund. The painting is on view in Gallery 10. Museum hours are Tuesday through Sunday, 10 a.m. to 5 p.m.

Recognized as a leading American poet, Ammons has recently turned to non-verbal expression through painting, creating abstract compositions with colored inks.

"The lucid imagery of Ammons' poetry finds a visual counterpart in his vivid and exciting paintings," said Thomas W. Leavitt, museum director. "Ammons' works are uniform in size and medium but their non-objective imagery varies widely from colorful geometric shapes to flowing organic forms."

Ammons has published 14 books of poetry and is the winner of the 1973 National Book Award and the 1973-74 Bollinger Prize for Poetry.

A 1949 graduate of Wake Forest College, Ammons has been a member of the Cornell faculty since 1964.

Museum hours are 10 a.m. to 5 p.m. Tuesday through Sunday. Admission is free.

Herbert F. Johnson Museum "Beyond the Taj: Diversity in Indian Architecture," through March 30; "The Sculpture of Richard Stankiewicz," through March 21; "Selections from the Permanent Collection," "A.R. Ammons: Colored Inks," through April 13; "Drawing and Design," March 18 through March 30. Museum hours: Tuesday through Sunday, 10 a.m.-5 p.m. Tours may be arranged by calling the Education Department two weeks in advance (256-6464).

Olin Library "Five Centuries of German Books." Richly illustrated with woodcuts and engravings, these volumes begin with the Humanism of the 15th century, range through the Reformation, through literature, history and travel, on into the 20th century. Through early April.

Olin Library "Calligraphy and Posters of Peter Kahn." Included are instructions on calligraphy for the beginner, as well as original posters and drawings by this Professor of Art History at Cornell.

Sibley Dome Gallery Urban Design

Thursday
Mar. 20, 8 p.m. *Uris Hall Auditorium. "Arsenic and Old Lace."

Friday

Mar. 21, 8 p.m. *Uris Hall Auditorium. "Amarcord."

Saturday

Mar. 22, 8 p.m. *Uris Hall Auditorium "It Happened One Night"

Sunday

Mar. 23, 8 p.m. *Uris Hall Auditorium. "I Vitelloni" (1953), directed by Federico Fellini, with Franco Interlenghi, Alberto Sordi, Franco Fabrizi. Fellini Series.

Mar. 23, 9 p.m. Risley. "Lawrence of Arabia." Risley Free Film Series.

Monday

Mar. 24, 9 p.m. *Uris Hall Auditorium. "Beau Geste." Film Club members only.

Tuesday

Mar. 25, 4:30 p.m. Morrill 106. "The Masked Dance." Views of Kukrit Pramoj, former Prime Minister of Thailand. Southeast Asia Free Film Series.

Mar. 25, 8 p.m. *Uris Hall Auditorium. "Daybreak" (Le Jour Se Leve), (1939/1946), directed by Marcel Carne, with Jean Gabin, Jules Berry, Arlette Jacqueline Laurent. Carne Series.

Wednesday

Mar. 26, 8 p.m. *Uris Hall Auditorium. "Roberta."

Thursday

Mar. 27, 8 p.m. *Uris Hall Auditorium. "Monterey Pop."

Dance

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

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

Every Sunday, 7:30-11 p.m. Straight North Room. International Folk Dancing; beginners teaching 7:30-9 p.m. requests 9-11 p.m.

Every Wednesday, 7:30 p.m. Straight Memorial Room. International Folk-dancing; beginners teaching 7:30-9 p.m. requests 9-11 p.m.

Monday

March 24, 8-11 p.m. Straight Memorial Room. Cornell Contra Dance with live music. Beginners welcome.

Theatre

Thurs. through Sat., March 13-15, 8:15 p.m. "Straight Theatre. Theatre Cornell production: Moliere's "The Misanthrope."

Thurs. through Sat. March 13-15, 8:15 p.m. *Risley Theatre. Theatre Cornell production: "Slow Dance on the Killing Ground" by William Hanley.

Colloquia

Astronomy and Space Sciences "Correlation of the X-Ray Background with the Cosmic Light," Margaret Geller, Center for Astrophysics. 4:30 p.m. Thurs. Mar. 13. Space Science 105.

Miscellaneous

Every Thursday, 4 p.m. Open Prose and Poetry reading, everyone invited. Goldwin Smith Temple of Zeus.

Sat., March 29, 8 p.m. *Anabel Taylor Chapel. C.R.E.S.P. Concert: Paul Jordan, organist. Works of Bach, Buxtehude, Czerny. Solo recorder works by Telemann.

Tuesday

Mar. 18, 8 p.m. *Uris Hall Auditorium. "It's A Wonderful Life."

Wednesday

Mar. 19, 8 p.m. *Uris Hall Auditorium. "La Dolce Vita."

Sponsored Programs

The Office of Sponsored Programs, 123 Day Hall, 6-5014, wishes to emphasize that the information in this column is intended for post-doctoral research unless otherwise indicated.

NEH Appropriation Request

The initial annual budget for NEH is a request for an increase of approximately 9.5%. The one NEH program marked for expansion is the Research Grants program. The lion's share of the new funding would go to the Endowment's only major new initiative a dramatically expanded program of international studies. In the past, the Endowment has given modest support to intercultural research by matching foundation funding for foreign exchange programs. The new program would expand existing exchange programs to include research in Mexico, Latin America, Africa and other third world nations. NEH spending proposals also give high priority to the development of research tools and materials, including a modest new program in research, demonstration, and training for conservation and preservation.

Sudden Infant Death Syndrome Prog.

The Bureau of Community Health Services of the Health Services Administration has announced that competitive applications for Sudden Infant Death Syndrome (SIDS) Information and Counseling are now being accepted. Grants will support the collection, analysis, and furnishing of information relating to the causes of SIDS and the provision of

information and counseling to families affected by SIDS.

Approximately 24 grants ranging from \$15,000 to \$175,000 will be awarded in fiscal year 1980. Application postmark deadlines for the two funding cycles are April 4, 1980 and May 12, 1980.

Additional information is available in the Office of Sponsored Programs.

Science in Developing Countries

A new program announcement in NSF's Division of International Programs describes opportunities for support of international cooperative science activities involving developing countries of Africa, Asia, Latin America, and the independent nation of the Caribbean. The Science in Developing Countries program will consider proposals for three

categories of awards: 1) dissertation improvement grants for research to be performed by a student in one of the developing countries on a problem within that country; 2) conference grants for the support of travel and other expenses associated with bilateral seminars, workshops, and colloquia; and 3) grants for the support of research participation - either by a U.S. scientist in an institution within a developing country or a scientist from a developing country in a U.S. institution. The program will operate on a continuing basis, subject to the availability of funds. Deadlines for the submission of proposals are April 1 and Sept. 1. Awards will be announced approximately six months after the respective deadlines. Further information is available in the Office of Sponsored Programs, 123 Day Hall.



CIVITAS

By Mary McGinnis
Coordinator, CIVITAS

GROUP SERVICE PROJECTS: CIVITAS is currently putting together a list of community projects for pledge classes and other groups who wish to do volunteer service. We try to find a variety of indoor and outdoor opportunities for small or large groups which can be accomplished in a few hours or over a period of time. We can suggest options from which to choose, help with organizational ideas and direct you to the right person in the organization you decide to help. Let us do your leg work for you and save you time. Call us 256-7513 or come in to 125 Anabel Taylor, between 10 and 2, Monday through Friday.

TOMPKINS COUNTY JAIL tutors needed to help inmates on all educational levels. Some functionally illiterate, others studying for high school equivalency diplomas. All subjects from the most basic to academically sophisticated. One or two hours a week according to your schedule. No prerequisites.

COMMUNITY HEALTH PROJECT: Volunteer positions attractive to pre-med and health planning students now available in ongoing public health project. Must be 19 years old, in Ithaca through the summer and willing to continue commitment through next academic year. Training will be provided, close supervision and regular feedback sessions. Car needed for this placement, but CIVITAS may be able to help you with transportation.

HELP FOR HIGH SCHOOL STUDENTS in academic difficulty: We have been unable to fill all the requests for help with intermediate algebra, biology and chemistry. One or two hours a week of your time can make a difference in the lives of these discouraged students. Time and location of tutoring sessions flexible and can be arranged at mutual convenience.

HELPING DISADVANTAGED NEIGHBORHOODS: Local Housing Services Organization needs a volunteer who can give advice about and help set up a system of map overlays for planning and charting progress in neighborhoods. This is a direct way to become involved in the revitalization of downtown Ithaca.

NOONTIME GYM CLASS Needs Helpers for Varied Activities: Volunteers to supervise, if possible teach, junior high school students playing

basketball, volleyball, frisbee, swimming, weight bar. From 12:05-12:50 any weekday. Fifteen minutes walk from lower campus.

RECENTLY WIDOWED ELDERLY GENTLEMAN: Needs helper to read and write English. Downtown, at volunteer's convenience.

MODEL ROCKETRY YOUR THING? Your help is needed to assist the leader of a youth program at downtown site. Fri. eves., 5:30-7:30 p.m.

COMMUNITY SELF RELIANCE CENTER: Coordinates the work of the Ithaca Real Food Coop, Citizens Concerned about Nuclear Power, Ecology Action, The Alternatives Fund Federal Credit Union, Community Energy Network and La Tierra Verde. Volunteers are always welcome to help in the office or in public contact and outreach activities. Biweekly staff planning meetings provide focus for volunteer efforts. A flexible and interesting opportunity and a good way to get involved in the Ithaca community.

SPECIAL INTEREST SHORT COURSES: Volunteers sought to teach 6-week short courses in puppetry, orienteering/mapmaking, or science subjects (your choice) for elementary children enrolled in gifted and talented program in Ithaca Schools. Teaching certification not required; high interest and enthusiasm is all that's needed. Commitment of 1 hour teaching time (plus preparation time) for 6 weeks at mutually agreed time and place. Could also be paired teaching shared by two people.

WEAVING: An American, A Thai and a Lao, all high school students, would like to learn to weave. Either 9:45 a.m. or 2:30-3:30 p.m. anyday, Monday through Friday.

YOUNG ASIAN MOTHER: living in Pleasant Grove Apts. seeks help understanding English. Would you go with her to a series of weekly meetings in Family Health? All at 10 a.m., and scheduled for March 4, 10, 25 and April 8, 21, at Brown Center, Hasbrouck Apts. near North Campus.

To help your neighbor, come to CIVITAS, 125 Anabel Taylor Hall (256-7513), between 10 and 2, Monday through Friday.

Funded in part by the Student Finance Commission and open to the entire Cornell community.

CESR to Be Dedicated

Researchers from the fast-changing world of high energy physics will be on hand for the dedication of CESR, the Cornell Electron Storage Ring, beginning at 4:30 p.m. Tuesday, March 25, at the Wilson Synchrotron Laboratory.

At a symposium preceding dedication ceremonies, laboratory staff members are expected to discuss significant discoveries made since the 16 billion electron volt (16 GeV) facility went into operation in the Fall of 1979. Also scheduled are reports from researchers at DESY, the German Electron Synchrotron, and SLAC, the Stanford Linear Accelerator Center, as well as from synchrotron designer Robert R. Wilson, who will speak on "Possibilities for Electron-Proton Colliding Rings in the U.S."

Built with some \$20 million in National Science Foundation funds, the electron storage ring and a particle detector called CLEO are used by scientists from Cornell, Harvard, Rochester, Rutgers, Syracuse and Vanderbilt universities to study what are believed to be the smallest sub-atomic units of matter, the quarks. CESR operators announced earlier this year that they had confirmed the existence of the third state of the upsilon particle, which is thought to consist of the "bottom" variety of quark and its anti-particle.

Successful candidates for fellowships awarded by the Graduate School for the 1980-81 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.

Graduate School Summer 1980 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 28. Successful students will be notified by mail in early May.

Graduate School Summer 1980 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 14. Successful students will be notified by mail in early May.

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

The Wilson Laboratory circulates needle-sized beams of electrons and positrons (the positively charged counterparts of electrons) in opposite directions at 400,000 times per second in the half-mile long, ultra-high vacuum storage ring which is buried some 50 feet below the surface of Upper Alumni Field.

Guided by powerful magnets in the storage ring and kept at a constant speed by radio frequency accelerators, the beams of electrons and positrons can be stored in the

ring for hours. The head-on collisions annihilate the electrons and positrons and cause their energy to appear as other particles.

The Cornell storage ring is designed to operate at up to 16 GeV, the sum of the energies of the two colliding beams. That energy is less than the levels attainable at other rings in the U.S. and Germany, but is a particularly good range for studying new phenomena associated with the "bottom" quarks. Through further experimentation at CERN, the physicists hope to obtain new information on the still-hypothetical gluons, the particles which (according to the theory of quantum chromodynamics) hold quarks together, giving rise to the "strong" force which binds the protons and neutrons within atomic nuclei.

Speaking at the symposium on the subject, "Middle is Beautiful," will be Sheldon Glashow, a 1954 graduate of Cornell University. Glashow, a Harvard University professor, was one of three scientists to share the 1979 Nobel Prize for physics. His talk is scheduled for 2:45 p.m. at Wilson Laboratory.

Among those slated to take part in the 4:30 p.m. dedication ceremony in Wilson Laboratory's Experimental Hall are Boyce D. McDaniel, director of the Laboratory of Nuclear Studies at Cornell; Robert B. Wilson, former director of the Laboratory and University professor emeritus; W. Donald Cooke, vice president for research at the University; Richard C. Atkinson, director of the National Science Foundation, or his representative; Grover E. Murray, vice chairman of the National Science Foundation Board; Frank Rhodes, president of Cornell University; and Jansen Noyes Jr., chairman of the University Board of Trustees.

City Council President to Lecture on Campus



CAROL BELLAMY

New York City Council President Carol Bellamy will deliver the Kappa Alpha Theta Lecture at 4 p.m. Thursday, March 27, in the Hollis Cornell Auditorium of Goldwin Smith Hall.

Her lecture is titled "Toward a National Urban Policy."

Bellamy took office as City Council president—the second highest post in New York City government—on Jan. 1, 1978. She was the first woman elected to citywide office in New York.

In addition to being City Council president, Bellamy is one of 14 members of the Board of the Metropolitan Transportation Authority, and serves on the Governor's Temporary Commission to review the Sales and Use Tax Laws.

Her special areas of responsibility on New York City's Board of Estimate are fiscal affairs, health care and children's services.

She directs New York's applications for federal Urban Development Action Grants. The city has successfully competed for millions of dollars in UDAG funds, gaining public and private monies for projects and jobs in areas of the city where developers might ordinarily be reluctant to invest.

After graduating from Gettysburg College in 1963, Bellamy served two years with the Peace Corps in Guatemala. She then entered New York University Law School, was admitted to the New York Bar in 1968, and joined a Wall Street law firm.

Counsel Elected Corporation Secretary

University Counsel Walter J. Relihan Jr. has been elected to the additional position of Secretary of the Corporation, (Cornell University), effective immediately.

The action was taken by the University Board of Trustees, which met last week.

In making the recommendation to the board, President Frank Rhodes pointed out that the position has been vacant since the resignation

last Oct. 31 of Neal Stamp, who had served two decades as both University Counsel and Secretary of the Corporation.

Relihan succeeded Stamp as University Counsel last Nov. 1.

Rhodes said the combined functions allow "the University Counsel to review the proposals brought to the board for action and, if appropriate, to advise the president and board upon the legal implica-

tions and effect of such legislation."

He said he thought the practice should be continued.

Relihan, a 1952 graduate of Cornell, received his law degree from Cornell in 1959. He was counsel to the State University of New York from 1971 to 1978 and was a partner in the Binghamton law firm of Night, Keller, Relihan & Blechman before returning to Cornell.

Word Processor for Chinese Invented

Five Times as Fast as Typewriter

Researchers here have developed a method for electronically entering Chinese characters into a computer at a rate of 50 characters per minute. This is nearly five times as fast as a regular Chinese typewriter which must be operated by a highly skilled person.

In addition to speed, one of the great advantages of the Cornell invention is that a Chinese, with what would amount to a junior high school education in this country, can learn to operate the system in about 1/2 hour, according to Paul L. King, a doctoral candidate in linguistics at Cornell and principal inventor of the Chinese electronic word processor.

According to King, the Cornell invention centers around the use of a table-top computer. Other computer-type word processors for Chinese have been developed, but none combines the speed and simplicity of the Cornell method, he said. A patent application has been filed.

King has worked on the project over the past two years under a grant from National Cash Register Corp., which has an engineering and manufacturing division in Ithaca. The Dayton, Ohio, based computer systems supplier has exclusive rights to the invention and in a

rather unusual arrangement will pay no royalties to the University or the inventors for its use.

The arrangement was made at the insistence of Joseph E. Grimes, professor of linguistics and an expert in computer usage, under whose direction the system was developed.

"If it weren't for the grant from NCR, we never would have been able to develop our ideas and put them to use in the first place," Grimes said.

King and Grimes have developed a method for typing the thousands of characters used in written Chinese with only 12 keys. A missionary in Taiwan for 11 years, King is credited with coming up with the key idea on which the system is based. While unfamiliar with computers, he is fluent in spoken and written Chinese and familiar with what is known as the four-corner dictionary developed 30 years ago by Wang Yun-Yu for indexing and filing in Chinese. With certain adjustments, he adapted this system to the 12-digit keyboard.

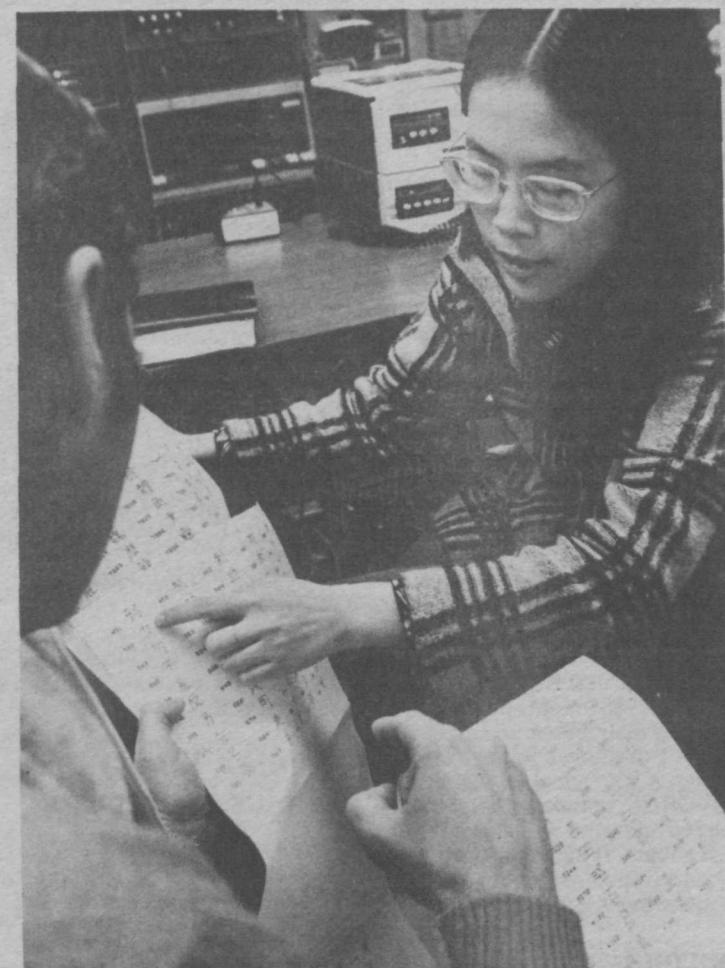
Simply stated, each digit describes a basic shape used in Chinese characters in one of four quadrants into which all the characters are divided. By selecting up to four keys, an operator can identify an

entire character in a split second. It appears on a display screen and if correct, is stored in a text file for subsequent editing or printout.

Sometimes the four digits will produce 10 or more characters, all similar enough to have been described by the digits but very different in meaning. The essence of the new system is the use of linguistic rules to select automatically the proper character from such an ambiguous list. If, as sometimes occurs, the automatic selection is not unique, the computer can display the remaining choices, allowing the operator to make a manual selection from the keyboard.

Numerous shortcuts have been devised to eliminate the selection process for commonly-used characters. This includes using only one digit for those characters in some cases.

King explained that while there are about 50,000 Chinese characters, less than 10,000 are now in common use. And only about 2,500 are needed for everyday communication. The basic machine employing the Cornell invention will have about 2,500 characters programmed, and sets of 500 special vocabulary words will be made available as they are developed and needed, he said.



Yung-O Big, graduate student at Cornell University, studies numbering system used in a simplified electronic method for typing Chinese characters, five times faster than a regular Chinese typewriter. With her is Paul King, inventor of the system and also a graduate student in linguistics at Cornell.



Logos which won in a recent Viking design competition are, first place (left), by Debora Norby, and two runners-up by Joyce Blum (upper right) and Mary Graham (lower right).

Winning Logos Selected In Viking Competition

The winning entry in a competition to create a symbol for the 1980 series of public lectures and programs on the Vikings has been selected by a group of 10 University faculty, students and librarians.

The winning design was created by Debora Norby, in conjunction with Jerry Haworth. She came to Ithaca recently from San Francisco. She has a degree in elementary education and art from the University of Nebraska, and plans to open a design studio in Ithaca under the name Norby Creative.

"Since submissions were very numerous, and almost all of extremely great interest, the decision was a hard one," said Robert T. Farrell, the Cornell professor who is coordinating the Viking series in several Upstate New York cities.

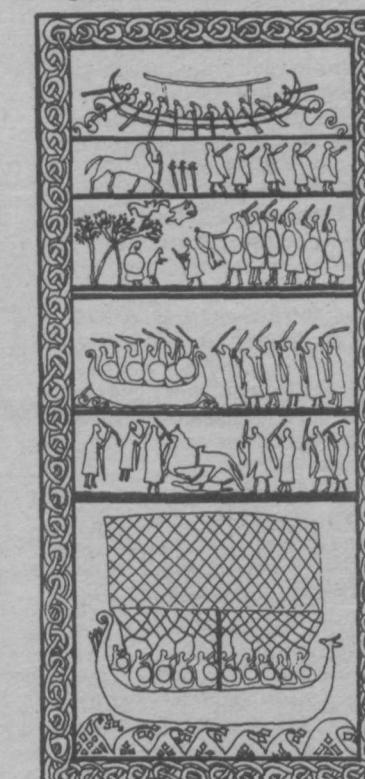
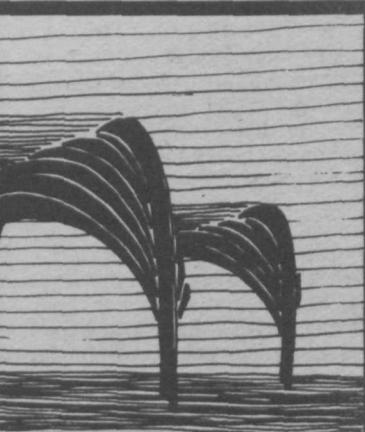
The selection committee named two runners-up: Mary Graham, a 1979 graduate of Cornell's College of

Architecture, Art and Planning who is now working in Cornell's Design and Management Division, and Joyce Blum, a junior from Rockville Centre, N.Y., majoring in design in the New York State College of Human Ecology.

Norby won the \$100 first prize in the competition that was open to anyone in the Ithaca area. Graham and Blum won \$50 each.

Norby's design will be used on posters and advertising of the Viking series. It will be used in the library display of the Fiske Icelandic Collection at Cornell, as will the art work submitted by Graham and Blum.

The upstate Viking programs have been planned in conjunction with "The Vikings," an exhibition which will open at The Metropolitan Museum of Art in New York City in September.



Gulls' Behavior Studied At Appledore Island

APPLEDORE ISLAND, Maine—When the students arrive at Shoals Marine Laboratory this spring for the "Animal Behavior and Nature Photography" program, their subjects will be waiting—all 5,000 of them.

Tiny Appledore Island, the warm weather home of the marine lab jointly sponsored by Cornell and the University of New Hampshire, is the rocky nesting ground for thousands of herring gulls and great black backed gulls. And from the gulls' point of view, they were there first.

"The birds are extremely territorial and aggressive," says Donald A. McCrimmon, a biologist at Cornell's Laboratory of Ornithology and co-instructor along with Michael Hopiak of the non-credit course which runs May 22 to 25. "When the eggs have been laid and the young are just beginning to hatch out, they really have an investment in that nest. An individual walking through the gull colonies can be attacked. If a bird comes down and hits you hard enough, it can draw blood. We advise people not to go into the colonies by themselves."

Located six miles off the coast of Maine, Appledore Island makes an ideal laboratory setting for the

study of animal behavior, McCrimmon explains. "There is aggressive interaction between the two species of gulls. The black backed gulls are larger and stronger and they're capable of driving off the smaller herring gulls."

Also on the 95-acre island, the largest of the nine Isles of Shoals, are colonies of blue heron, snowy egret and glossy ibis. Some 125 species of birds find migratory resting spots on the rugged granite island.

Included in the academic credit courses offered this summer at Shoals Marine Laboratory are field marine science, invertebrate embryology, underwater research, field psychology, coastal and oceanic law and policy, chemical oceanography, anatomy and behavior of the gull, research in biology and field marine science for teachers.

Besides the program in animal behavior, there is a series of short non-credit programs in general ornithology and introductory marine science. These courses are designed for adults and can be enjoyed by those with little or no previous experience with the subject matter.

More information on credit courses and non-credit programs to be offered on Appledore Island is available from Shoals Marine Laboratory, G-14 Stimson Hall.

March 13, 1980

Brief Reports

SUNY Newspaper Solicits Articles

The News, the University-wide publication of the State University of New York, is actively soliciting articles from faculty and staff for the "Forum" section of the news-magazine.

While The News concentrates on factual and feature coverage, according to editor Michael P. Riley, "Forum" offers a place for the individual voice and includes essays on academic or cultural topics, book reviews of publications by SUNY personnel and in-depth interviews.

"Forum" articles are usually between 1,500 and 2,000 words with longer pieces assigned by the editor.

Additional information is available from "Forum" Editor, The News, State University Plaza, Albany, N.Y. 12246 (518-473-1825).

Retirement Annuities Topic of Brochure

A brochure describing supplemental retirement annuities is now being distributed to faculty and staff. The mailing, a joint effort by University Personnel Services and TIAA-CREF, compares these tax-deferred annuities with other methods of saving. It includes the necessary enrollment and salary reduction agreement forms.

Neurophysiologist To Offer Lectures

"Cellular and Molecular Mechanisms of Synaptic Transmission" will be the topic of 1980 Biophysical-Bioorganic Lectures, scheduled for 11:15 a.m. March 25, 27 and April 1 and 3 in Baker 200 by the University Department of Chemistry. Lecturing will be Bernard Katz, Nobel laureate and world renowned researcher in neurophysiology.

Also scheduled are informal discussion sessions at 4:30 p.m. March 26 and April 2 in Baker 132.

Under the sponsorship of the National Institutes of Health and Halocarbon, the lecture series each spring brings to the University a distinguished scientist for a two-week period.

Katz retired recently from the position of professor of biophysics and department head at University College, London. He was educated at the University of Leipzig and London and has received both the M.D. and D.Sc. degrees. Among his numerous awards for research is the 1970 Nobel Prize for Physiology or Medicine.

Professor Katz is a fellow of the Royal Society and a foreign member of the Royal Danish Academy of Science, the American Academy of Arts and Sciences and the U.S. National Academy of Sciences. He will be in residence at Cornell University from March 24 to April 4.

The lecture series is open to all interested persons.

Chemistry Students Win 'Laubengayers'

The 1980 Laubengayer Prizes have been awarded by the Department of Chemistry to three students, Anthony W.Y. Kam, '83, Kevin P. Mangan, '83 and Harry A. Roosje, '83.

Established in honor of Professor A.W. Laubengayer on the occasion of his retirement in 1966, the prizes are awarded each year to outstanding students in each of the department's introductory chemistry courses.

Announcement of the awards was made by Department of Chemistry Chairman Benjamin Widom.

'Menace of Ideas' Topic of Lecture

Denis Donoghue, the Henry James Professor of English Letters at New York University, will deliver a lecture at 4:30 p.m. Thursday, March 27, in Goldwin Smith Hall "D" at Cornell University.

Donoghue's lecture topic is "The Menace of Ideas." His appearance is sponsored by Cornell's Society for the Humanities and the Department of English.

The author of eight books, Donoghue has written studies on Jonathan Swift, Emily Dickinson and W.B. Yeats. His latest book, "Ferocious Alphabets," will be published later this year.

German Literature Scholar Will Speak

"The Poet in the Age of Prose" will be the subject of a lecture by a German literature scholar at 4:30 p.m. Tuesday, March 25, at the Andrew D. White House.

Erich Heller, the Avalon Professor of Humanities at Northwestern University, will deliver the lecture sponsored by Cornell's Society for the Humanities.

The author of some six books, Heller has produced studies of Thomas Mann, Goethe, Franz Kafka and Rainer Maria Rilke. He served as editor of "Studies in Modern European Literature and Thought" from 1950 to 1968.

In addition to a number of honorary degrees and literary awards, Heller was awarded the Medal of the Goethe Institute in 1968. He is a fellow of the American Academy of Arts and Letters.

A member of the Northwestern faculty since 1960, Heller previously was professor of German at the University of Wales from 1948 to 1959. He holds a doctorate in law and German literature from Charles University in Prague, and a second Ph.D. from Cambridge University.

Colombia Gives Volumes to Library

The University has received a five-volume facsimile set of 566 periodicals published between 1821 and 1831 and covering the first decade of independence for much of northern South America, a period in which Simon Bolivar played such a prominent role.

The periodicals known as "Gaceta de Colombia" (Journal of Colombia) are a gift from the Republic of Colombia and were presented to Cornell by Virgilio Barco, Colombia's Ambassador to the United States, according to an announcement by Louis E. Martin, University librarian.

The set was prepared under the auspices of the Banco de La Republica de Colombia and contains an extensive index, Martin said.

He said the gift will "substantial-

ly enhance Cornell's resources for the study of this seminal period in the history of independence in South America. The set intersperses news commentaries with legal and administrative announcements, making the set a prime source for historical investigation."

Moot Court Finals Winners Announced

Second year law students Daryl P. Brautigam and Richard L. Edwards won the final round in this year's Sutherland Moot Court competition at the Law School last Friday.

On the judging panel were As-

sociate Supreme Court Justice Byron R. White; U.S. District Court Judge Aubrey E. Robinson Jr., a 1947 graduate of the law school, and Dean Roger C. Cramton.

The case argued concerned charges of labor violations against a home for the mentally handicapped, a case once contested in a U.S. District Court.

Modern Germany Specialist to Talk

A specialist in the history of early modern Germany will speak at 4:30 p.m. Wednesday, March 26, in 217 Ives Hall.

Mack Walker, chairman of the

Department of History at Johns Hopkins University, will lecture on "Work, Workers and Political Economy in Early Modern Germany." His appearance is sponsored by the Committee on University Lectures.

Walker, who taught at Cornell from 1966 to 1974, is the author of two books—"Germany and the Emigration" and "German Home Towns: Community, State and General Estate, 1648-1871"—and a forthcoming biography of German writer Johann Justus Moser.

A graduate of Bowdoin College, Walker earned his Ph.D. at Harvard University, where he taught before coming to Cornell.

39-Hour Week Is Standard Policy Effective June 26

A standard 39-hour workweek for all non-exempt employees at the University was announced last week in a memorandum from Provost W.K. Kennedy and Senior Vice President W.G. Herbster.

The memo to deans, directors and department heads reads as follows:

"Effective June 26, 1980, Cornell University will adopt a 39-hour standard uniform workweek for all non-exempt employees.

"Prior to 1951, all full-time staff worked a 5½ workweek. Office staff worked 7 hours Monday through Friday and 4 hours on Saturday—or 39 hours per week. All other staff worked five 8-hour workdays and one 4-hour workday for 44 hours per week. In most instances, the 4-hour workday was on Saturday.

"In 1951-52, it was decided to reduce the workweek for all staff from 5½ days to 5 days. For office staff, the requirement to work on Saturday was eliminated, and the 4 hours normally worked on Saturday were to be worked in the Monday through Friday period. This resulted in a 5-day workweek of 7.8 hours per day with workweek continuing at 39 hours. For non-office staff, the workweek was reduced from 44 to 40 hours which were to be worked in five 8-hour workdays.

"As a part of the ongoing effort to re-examine our major personnel policies and practices, a series of discussions were initiated last fall with several campus groups (Personnel Support Group, the Personnel Planning and Policy Board, the Executive Staff, the Deans' Council and the Committee on the University as an Employer) to determine the feasibility of a standard 39-hour workweek for all non-exempt employees. Subsequently, the Office of Personnel Services has been working with individual units to iron out operational problems which might arise as a result of the proposed change.

"The change in scheduled weekly hours to 39 hours from 40 does not change an employee's annual pay rate. When a non-exempt employee on a 39-hour schedule works more

than 39 hours in a workweek, the 40th hour is paid at the straight-time hourly rate. Departments may continue under special circumstances, to retain the 40 hour workweek for specific employees. Time-and-a-

half is paid for hours worked in excess of 40 hours.

"Instructions for implementing these personnel actions will be issued by the Office of Personnel Services within the next few days.

Board of Trustees Actions Announced

This summary journal of last weekend's trustee meetings, as released for publication, does not include confidential items which came before the meeting or items on which separate articles are published in this issue of the Chronicle.

The Board of Trustees of the University met here Friday, March 7. The Executive Committee met on Thursday, March 6.

Reports and actions of the trustees include the following:

1. Minutes of the Executive Committee from the meeting of Jan. 24, 1980, were approved by that committee.

2. It was reported that a lock box is being opened at Lincoln First Bank in Rochester, N.Y., on a trial basis for the spring semester as of Feb. 1, 1980, to accelerate the deposit of tuition by direct payment to the Bank.

3. Meeting dates for the Executive Committee and the Board of Trustees for 1980-81 were approved.

4. Minutes of the Board of Trustees meeting held Jan. 25-26, 1980, were approved and minutes of the Executive Committee meeting held Dec. 11, 1979, were ratified and confirmed.

5. A report of the Advisory Council for the Law School was presented by Trustee Albert E. Arent, Chairman of the Advisory Council, with the assistance of Dean Roger Cramton.

6. A report of the Ad Hoc Committee on The Health Sciences was presented by Trustee Stephen Weiss and election of the Board of Overseers of the Medical College and Graduate School of Medical Sciences was confirmed. (See story in March 6 Chronicle.)

7. A report was presented on the Cornell Fund including the overall program and report of the Tower Club.

8. A report of the status of the Cornell Campaign was presented by

Trustee Austin H. Kiplinger.

9. A report of gifts received to date was presented by Vice President Richard M. Ramin.

10. Reports and recommendations from the Executive Committee meeting held March 6 were presented by Executive Committee Chairman Charles T. Stewart.

11. President Frank Rhodes presented a report on the State of the University.

12. Dr. John Heiser, Director of the Isles of Shoals Marine Laboratory, presented a report describing the educational program and facilities for marine biology at the Isles of Shoals, seven miles off the coast of New Hampshire.

13. Postponement of sabbatic leaves were approved for two faculty members.

14. Stewart M. Comber was elected Associate University Controller - Statutory, and Philip V. Giuca was elected Associate University Controller - Medical.

15. Vice President for Research W. Donald Cooke reported deaths and resignations of faculty members which have occurred since the last meeting.

16. The following were elected to the title of Emeritus: H. Victor Grohmann, the H.B. Meek Visiting Professor in the School of Hotel Administration, effective Jan. 1, 1980; and Martin Wright Sampson, Professor in the School of Operations Research and Industrial Engineering of the College of Engineering, effective July 1, 1980.

17. A report of the Academic Affairs Committee was presented.

18. Reports and recommendations from the Buildings and Properties Committee were presented.

19. The Annual Report of the Audit Committee was presented.

20. The Laboratory of Nuclear Studies program at Cornell was named the Floyd R. Newman Laboratory of Nuclear Studies.